What happened in the marine industry in

1975

Marine Engineering/Log

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Jana Priya launched July 50
keel laid for 1st of 2 for Aus. National Dec. 78
Leon launched—B26 series Aug. 50; Oct. 84
Martha launched Feb. 64
Melete christened June 52
methods for unloading new (E) Sept. 180
Meyer tanker order converted to 3 *Nov. 31
Nicholas G. Papalios built *Dec. 61
Pacduchess delivered Nov. 74
Ruth launched Feb. 64
Tsuru Arrow delivered *Dec. 69
U.S.-flag on Great Lakes 12/31/74 YB 92
Woermann Sankuru delivered May 72
Yaffa christened July 50
Bulk-King reusable containers (N) *Sept. 98
Bull & Roberts, Inc.:
BWC system (boiler water chemistry) (N) *Aug. 76
Bullard Company, E.D.:
safety helmet—rain trough (N) *Mar. 92
Bullard, Robert L.:
numerical control of high-speed cutting *Mar. 40
Buoy—giant—for PEMEX Mar. 66
Buoy of Imodco design—SPM *Nov. 62B
Buoy reduces hazards—new drill rig YB 64L
Buoy tender delivered to Coast Guard *Oct. 82
Burlington Northern, Inc.:
rail-to-barge coal transfer terminal Apr. 84T
Burmah's Thistle Field:
production platform for *Sept. 80J
Burmeister & unnamed cruise liners *Dec. 52
Burton-built workboat placed in service *Jan. 31
Burton Shipyard, Inc.:
Celtic Seahorse delivered—workboat *Jan. 31

Pacific Seahorse—ice-classed ship *Aug. 60
Butoma, B.R., USSR Minister of Shipbuilding:
Soviet exporting hydrofoils/cargoships *Sept. 60

C

CDS (construction-differential subsidy):
boost in rate urged (E) Oct. 176
CDS/ODS aid for national security only (E) July 102
CM-100 shape cutting machines *Mar. 40
CM-200—new cutting machine *Mar. 41
C1-N-AV1 Methane Pioneer converted 1959 *Sept. 54
CVAN 69 Dwight D. Eisenhower launched Nov. 74
CVAN 70 Carl Vinson keel laid Nov. 74
Cain delivered—survey boat *Dec. 74H
Cairnfreighter launched—minibulker Dec. 78
Cairnleader delivered—mini bulker Oct. 84
Cajun Electric Power Corporation:
coal transportation conteact Aug. 60H
Camcraft, Inc.:
builds 1st of fleet of crewboats *Jan. 29
crew/utility boats for Clipper *June 64
Georgia delivered—pilot launch Mar. 60B
Cammell Laird:
Hudson Cavalier launched—products carrier Oct. 84
Campbell Industries:
American Eagle launched—superseiner Mar. 66
constitution Service launched Oct. 82B
Elizabeth C.J. launched—superseiner *Mar. 58
4 more tug/supply ships Oct. 82B
Campbell launches first tuna boat *Mar. 58
Campbell Marine Division:
Grenadier designs—tuna superseiner Sept. 72
Hornet III designs—superseiner July 50
Canadian Crown Corporation:
APA 18 to handle traffic—pilot boat *Mar. 60B
Canadian Government:
infrared remote sensing system Nov. 136
Canadian Pacific (Bermuda) Ltd.:
Fort Coulonge launched-clean products Dec. 78
Firt Kipp delivered—tanker July 50
Canadian Standards Association:
Incinolet incinerating toilet (N) *Nov. 100
Canadian yard builds large offshore rig *Dec. 72
Candy Boats, Inc.:
Candy Cane—crewboat *Jan. 29
Candy Cane—crewboat *Jan. 29
Cantiere Navale L. Rodriguez (now Cantiere Navaltechnica):
hydrofoils operating in 12 countries (E) Aug. 138
Cantieri Navali Riuniti:
Ammiraglio Magnaghi launched Feb. 64
keels laid for 2 of 8 frigates Feb. 64
Cantiere Navaltecnica:
hydrofoils operating in 12 countries (E) Aug. 138
Cape Fear Pilot III—boarding boat *Jan. 29
Captain Cook Cruises:
Captain Cook II—mini-cruise ship *Mar. 60A
Capt Fear Marine, Inc.:
Cape Fear Pilot III—boarding boat *Jan. 29
Captain Joseph H. Linnard Prize to Milano *Jan. 45
Carbosider S.p.A. diNavigozione:
Oceania delivered—tanker *Dec. 62
Cargo control console *June 29
Cargo Marine Transport of Liberia:
Marietta delivered—tanker Mar. 66
Cargo preference legislation—views on (E) July 102
Cargo Services Company:
"False bow"—builder of the *Feb. 54D
Cargocaire Engineering Corporation:
portable air drying system (N) *Jan. 96
Cargoships (see Freighters)
Carl Vinson keel laid—CVAN 70 Nov. 74
Carlson, John P.:
radiofacsimile proves its value to marine *Nov. 56
Caron christened—DD-970 destroyed Sept. 72
Carrington Slipways Pty. Ltd.:
Bandit/Piranha being built—tugs *May 62
Brigand launched—tug *May 62
Buccaneer/Privateer launched—tugs *Jan. 58B
Captain Cook II—mini-cruise ship *Mar. 60A
tug for Adelaide Steamship *May 62
Castellblanch launched—bulk carrier Sept. 72
Catamaran tug—twin-screw *Feb. 41
Catamaran type drilling units *Sept. 50
Caterpillar Tractor Company:
low-maintenance transmission introduced (N) *Dec. 92
Catug/barge designed as unit to cut costs *Feb. 40
Catug system—advantages of the *Feb. 41
Catug system lowers transportation costs *Dec. 64
Cayman Island Seahorse—work boat *Jan. 30
C/Dominator delivered—crew/supply boat *Jan. 30
CEBOSINE, Netherlands Shipbuilders Assoc.:
West German shipbuilding figures *Nov. 29
Celebration—American Bicentennial (E) May 130
Celtic Seahorse in service—workboat *Jan. 31
Centralized automation system by Galbraith Sept. 166
Century relocates derricks—barge *Jan. 58H
Champlin Philippines, Inc.:
Brinkerhoff 1—to begin operations for *Feb. 54F
Changes in the FY75 SCN program *YB 68
Chantiers de France-Dunkerque:
Devonshire delivered—LPG carrier Jan. 67
El Paso Paul Kayser built—LNG carrier *Dec. 53
2nd LPG carrier for Bibby Line Jan. 67
Charters:
Maasbracht Oct. 84
Chelsea delivered—tanker Apr. 92
Chemical tanker for French owner *Dec. 51
Chemist Lutetia delivered—tanker *Dec. 51
Chesterton Company, A.M.:
Spra-Flex compound (N) Nov. 88
Chevalier De Gramont launched—supply ship *Oct. 82
Chevron Colorado christened—tanker Dec. 78
Chevron Oregon—gas turbines on the *Apr. 158
Chevron Oregon—gas turbines power tanker *Dec. 50
Chevron Shipping Company:
Chevron Colorado christened—tanker Dec. 78
Chevron Oregon—gas turbines power the *Dec. 50
GT-3 keel laid—tanker Apr. 92
Chevron Washington launched—tanker Mar. 66
China National Machinery Import & Export:
HAI-223 delivered—oil rig supply ship Sept. 72
HAI-225 delivered—supply ship *Dec. 74D
offshore supply ship launched Jan. 67
China Provident Company:
new company formed by *July 37
Chinese Petroleum Corporation:
mooring (SALM) terminal system Feb. 107
Chip IX delivered—crewboat *Jan. 58D
Chotin Transportation, Inc.:
J.B. Kleinpeter built—towboat YB 64P
Margaret O. christened—towboat *Apr. 84N
Christenings:
Arthur W. Radford (DD-968)—destroyer May 72
Bow Fagus/Bow Flower—tankers June 52
Brinkerhoff I—drilling rig *Feb. 54F
Caron—DD-970 Spruance-class destroyer Sept. 72
Chevron Colorado—tanker Dec. 78
Conoco Europe—tanker Apr. 92
Donnington—bulk carrier Oct. 84
Elbe Maru—ore/oil carrier Nov. 74
Elliot (DD-967) (Spruance) class Feb. 64
Lady Janice—pushboat Sept. 80N
Lucellum/Lucerna—tankers July 50
Oldendorf (DD-972)—destroyer Dec. 78
Pacific Mariner—crab boat Jan. 58H
Sam Laud—ore/oil carrier May 72
Strait of Canso—clean-products tanker Dec. 78
Universe Guardian—tanker May 72
Yaffa—bulk carrier July 50
Christenson, Ralph:
reaction of classification agencies, etc. (E) Feb. 114
Christian Radich—tall sdhip (E) May 130
Chronological review of shipbldg prices YB 22
Cincinnati Gas & Electric:
Shawnee delivered—pushboat *May 62H
Civil Liability Convention:
oil spill legislation (E) Dec. 172
Clarke of London, Stephenson:
Donnington launched/christened Oct. 84
Class 84 Marathon design drilling rig *Sept. 78
Clean products carriers:
Fort Coulonge launched Dec. 78
Cleangard process for asbestos cloth (N) Mar. 94
Cleaning systems—Hotsy (N) Dec. 100
Cleaning units—model 520 pressure (N) *Nov. 88
Clemco Industries:
½-in. remote control introduced (N) June 76
Clipper Fleet, Inc.:
crew/utility boats—3 *June 64
Clipper Jack—crew/utility boat *June 64
Clipper I—crew/utility boat *June 64
Clipper II—crew/utility boat *June 64
Closed-loop sewage system discussed *Apr. 90
Coal movements—four talks cover *July 40
Coal transportation contract Aug. 60H
Coast Guard:
a natural symposium (E) Apr. 168
barriers for oil spill control (N) Apr. 114
mariners pathfinder radar ordered Aug. 124
Polar Star construction problems *Mar. 61
63-ft buoy tender delivered to *Oct. 82
Coatings:
Amercoat 234 quick-drying (n) Aug. 77
marine grade vinyl (N) *July 66
Tarep—coal tar epoxy (N) Apr. 116
Coatings Engineering Corporation:
marine grade vinyl coatings (N) *July 66
Cockrill Yards:
Yaffa christened—bulk carrier July 50
Cockrills, Hoboken, Belgium:
Martha launched—bulk carrier Feb. 64
Ruth launched—bulk carrier Feb. 64
COGAS propulsion plant—paper describes *Dec. 76
Coleman, Jr., William T., Trans. Sec.:
shock waves from user charges (E) Nov. 148
Coleman, William T., DOT secretary:
DOT policy favors user charge (E) Oct. 176
Collision-avoidance system—iotron Aug. 124
Colocotronis Group:
Vassiliki Colocotronis sea trials Nov. 74
Colocontronis Group of London:
Ioannis Colocontronis delivered—tanker *Apr. 70; *Dec. 56
ULCC's—two for *Apr. 70
Combo auto/cruise Bellorussiya delivered *Dec. 49
Combustion-control systems for Navy Nov. 136
Come on down to Fort Lauderdale, Fla. (E) Aug. 130
Coming events Jan. 12, Feb. 12, Mar. 12, Apr. 12, May 12, July 14, Aug. 14, Sept. 12, Oct. 12, Nov. 12, Dec. 12
Commercial Fisheries Division:
Robert Jones to head division (E) Jan. 132
Commission on American Shipbuilding:
money spent on studies of U.S. industry (e) Apr. 184
Common Brothers Ltd.:
Strait of Canso chartered—tanker Dec. 78
Communication equip./radar for Ocean Jan. 118
Communications—high seas *June 30
Compagnie D'Enterprises Metalliques:
Dyvi Beta/Dyvi Gamma—drill rigs Jan. 58L
Compagnie Navale Worms:
Chemist Lutetia—owns tanker *Dec. 51
Companhia Comercio e Navegacao:
Almirante Alexandrino launched—drydock July 50
Comparative summary postwar ships sold for scrap YB 210
Comparison recent Navy budget requests *YB 69
Competition growing in hydrofoil market (E) Aug. 138
Compound formulated for ocean drill ships (N) Nov. 88
Compressor—modular air (N) *Jan. 90
Computer Sciences Corporation:
data-acquisition/control system Mar. 127

wavemaker systems for Naval Academy Feb. 107
Computerized electronics system Aug. 124
Computerized safety system—EDO Aug. 60D
Computers for Navy—loadmaster July 88
Computers—Konsberg SM4 *Feb. 29
Comsat General Corporation:
consoles/Marisat communication equip. Jan. 118
COMSAT satellite services *Nov. 56
CONASA (Council of No. Atlantic Shipping Asso.):
ILA protests container rules (E) Apr. 168
Conch II design insulation panels *Sept. 56
Concrete Technology:
LPG storage vessel moved—floating *July 50
Concrete Technology Corporation:
mechanical/electrical systems May 118
Condeep production platform for Shell Sept. 80N
Condux, S.A.:
giant buoy—contracted through Mar. 66
mooring terminal system Sept. 166
SPM terminal to be anchored off Mexico *Sept. 80B
Conference:
Gastech 75 *Nov. 37
IEEE/MST—first combined meeting at *Nov. 52
OTC 8th annual—May 3-6, 1976 (E) June 102
Conlin & Roberts:
all-steel floors for containers (N) *May 84
Conoco America—tanker Apr. 92
Conoco Canada—tanker Apr. 92
Conoco Europe christened—tanker Apr. 92
Console—cargo control *June 29
Consoles/Marisat communication equip. Jan. 118
Constitution relocates derrick *Jan. 58H
Constitution Service launched Oct. 82B
Constitution sold-liner *YB 207
Construction begun on largest graving dock May 62F
Construction differential subsidy (CDS):
aid—for national security (E) July 102
Constructions Navales et Industrielles de la Mediterranee:
Oriental Statesman launched May 72
Container facilities being built—new *YB 195
Container terminals—development of *July 37
Container-handling accord—ILA/CONASA (E) June 110
Containers:
all-steel floors for (N) *May 84
expansion plans focus on *July 37
move up, see better (E) Aug. 130
semi-bulk designed (N) *Sept. 98
Containerships:
Adrien Maersk—maiden voyage *Dec. 45
Albert Maersk delivered Dec. 78
Americana enters service/Italian Line's *Feb. 48, *Dec. 47
Arthur Maersk launched Dec. 78
Australian Emblem delivered *Dec. 49
Banda Azul delivered Dec. 78
dredge shipped aboard the Tai Ping Nov. 62D
Neptune Emerald delivered—semi Oct. 84
Neva built—vehicle carrier/Oct. 84
Oriental Statesman launched May 72
sistership to Americana to be built *Feb. 48
Tai Ping—dredge shipped aboard the Nov. 62D
Continental Catering:
Mr. Creig/Mr. Snook—new crewboats *Apr. 82
Continental Oil Company:
Cayman Island Seahorse—workboat *Jan. 30
Conoco Europe in service—tanker Apr. 92
2 more VLCC's ordered in Japan Apr. 92
Control system/data-acquisition Mar. 127
Control system—mini-marine discharge (N) *July 64
Control systems from Tano—centralized Sept. 166
Control tools/management planning Feb. 36
Convention—49th Propeller Club (E) Aug. 130
Conversions:
Beaver Mackenzie—dredger *Nov. 44
Herbert C. Jackson unloads quicker *Oct. 82D
Methane Pioneer in 1959—C1-N-AV1 *Sept. 54
Santos—renamed Ocean builder 1 *Dec. 62
Converted bulk freighter unloads quicker *Oct. 82D
Converted dredger will operate in hostile environment *Nov. 44
Converters/totalizers—high accuracy (N) Apr. 116
Cook, Harry N., exec v-p, National Waterways Conference:
jaws of a shark—U.S. barge lines in (E) Sept. 172
water is a valuable raw material (E) June 110
Cooler—spiral-tube outboard (N) *May 90
CO-OP Line Co., Ltd.:
Ohtori delivered—dry cargo vessel May 72
Copper Development Association, Inc.:
copper-alloy boat hull application *Feb. 52
Copper Mariner—trawler *Feb. 52
Coppus Engineering Corporation:
new 2500-hp, single-stage turbine (N) July 72
Cornell, Allen D.:
pipe handling for offshore drilling Dec. 76
Coronado class tanker Chelsea delivered Apr. 92
Coronado-class tanker—keel laid for 1 Jan. 67
Coronado class tanker Mormacstar launched July 50
Corps of Engineers:
all-aluminum boat delivered to YB 64P
barge-within-a-barge solves problem *Apr. 84D
Cain delivered—survey boat *Dec. 74D
Correction:
Bay Shipbldg/Amer. SS—re self-unloaders Nov. 134
Corrosion:
inert gas reduces rates of *Jan. 50
marked reduction in tank *Jan. 50
Cosmodyne Div. (Cordon International Corp.):
air separation plants for Lockheed Aug. 124
Council of No. Atlantic Shipping Asso.:
and ILA—container-handling accord (E) June 110
ILA protests container rules (E) Apr. 168
Covered lifeboat on drill. rigs/ships (N)
Crabboat North American *YB 64A
Crab boat Pacific Mariner christened Jan. 58H
Craft for evacuating rig, tanker crews *June 66
Craig Shippi
Graiglas delivered—bulk carrier June 52
Crandall, Paul S.:
large floating dry docks for large ships
Crane, C. Lincoln, Exxon:
operation of very large ships (E) July 94
Crane, Jr., C. Lincoln:
honorable mention for SNAME paper *Jan. 45
Crane vessel can make lifts of 2000 tons *Dec. 62
Cranes:
HIAB-FOCO—for two boats (N) *Apr. 113
H.P.D.-3015 hydraulic marine (N) *June 74
ordered from Washington Iron Sept. 166
P&H 50-SMC from Harnischfeger (N) Oct. 110
Crankshaft grinder—largest *Oct. 71
Crewboat Atlanticc II delivered *Sept. 80
Crewboat Candy Cane *Jan. 29
Crewboat Chip IX delivered *Jan. 58D
Crisana delivered—tanker Jan. 67
Critelli, Francis X.:
advanced technology/management innovation *Apr. 81
Crowley Derrick Barges, Inc.:
DB-300 placed in service—barge Oct. 82F
Crowley Maritime Corporation:
Brinkerhoff 1 christened *Feb. 54F
Crowley Maritime Offshore Division:
PAC-270 leased—cargo barge *June 66D
Crude oil carrier Petroship A delivered Apr. 92
Cruise liner built by German yd for Tor *Dec. 68
Cruise liner Cunard Countess *Dec. 52
Cryogenic insulation for LNG tankers *Sept. 54
Cryogenic Structures Corporation (CSC):
formed by 3 companies *Sept. 54
insulation panels for LNGs *Sept. 54
Cummins, William E.:
Davidson Medal award to *Jan. 44
Cunard Countess—cruise liner *Dec. 52
Cunard Cruise Ships Ltd.:
2 luxury cruise ships built for *Dec. 52
Cunard Steamship Lines:
Lucellum/Lucerna—tankers July 50
Curacaosche Scheepvaart Mij:
Metula—Shell tells all on the grounding of *Apr. 54
Currents:
Jones Act waiver application (E) Feb. 122
Curtiss-Wright Corporation:
letters of intent for gas-turbine units/ elec. generation plants July 88
Curto, J.M., Group Vice-Pres. USS:
metric introduced by USS (E) June 102
Cutting machines:
CM-200—new *Mar. 41
new generation shape- *Mar. 40
Cylinders offered with protective coatings (N) Dec. 100

D

DB-300 placed in service—barge Oct. 82F
DD-1 Bainbridge commissioned in 1902 May 138
DD-963 class destroyer—Spruance (E) May 138
DD-963 Spruance Class Elliot (DD-967) Feb. 64
DD-963 Spruance—Navy destroyer May 38; Oct. 84
DD-967 'Elliot' christened Feb. 64
DD-968 Arthur W. Radford christened May 72
DD-969 Peterson launched July 50
DD-970 destroyer Caron christened Sept. 72
DD-971 David R. Ray christened Oct. 84
DD-972 Oldendorf christened—destroyer Dec. 78
DOT standards (N) *Mar. 90
D/S A/S Idaho:
Newbuilding 1217 launched—tanker Feb. 64
DSRV-1/DSRV-2—submergence rescue ships *Apr. 38
D. Ray Miller delivered—towboat *Jan. 31
Dae Sun Shipyard:
marine equipment for 3 bulk carriers Aug. 124
Damage stability requirements for tankships, chemical ships and gas ships *Nov. 64
Danmark—tall ship (E) May 130
Dansk Esso A/S:
Esso Hafnia delivered—tanker *Dec. 54
Dar Ponorza—tall ship (E) May 130
David R. Ray christened—DD-971 Oct. 84
David W. Taylor Medal award to Brard *Jan. 44
Davidson Medal Award to Cummins *Jan. 44
Davie Shipbuilding, Ltd.:
Lucellum/Lucerna christened/launched July 50
Dawson, Thomas J.:
aluminum alloy deckhouse discussed Feb. 60
Dearman Manufacturing Products, Inc.:
Welder's Wonder—new pipe alignment (N) June 77
Deck access box (N) *Dec. 98
Deck for Condeep platform—integrated July 88
Deck/loading landing ship Inagua Surf *Nov. 62B
Deep Ocean Drilling, Inc.:
Discoverer 534 delivered—drillship Nov. 74
De-federalized water resources management (E) June 110
Defoe Shipbuilding:
Herbert C. Jackson converted *Oct. 82D
DeJong & Associates, Norman H.:
"false bow" designers *Feb. 54D
offshore vessel designs Oct. 82L
De Laval Separator Company:
Nirex distillers supply fresh water (N) Apr. 112
Delmar Systems, Inc.:
Enterprise delivered—tug Nov. 62G
Delaware completed—ferryboat *Jan. 32
Delaware River & Bay Authority:
Delaware completed—ferryboat *Jan. 32
Delco Electronics Div., General Motors:
computerized electronics system Aug. 124
dynamic-positioning systems (DPS) Aug. 124
Del-Monox high pressure purifiers (N) Aug. 77
Del-Monox purifiers (N) *Jan. 88
Delta Diamond 5 delivered—pushboat *Apr. 82
Delta Mar—LASH vessel:
gantry container crane aboard *June 50
Delta Steamship Lines, Inc.:
gantry container crane on the Delta Mar *June 50

Deltech Engineering, Inc.:
Del-Monox high pressure purifiers (N) Aug. 77
Del-Monox purifiers (N) *Jan. 88
Demco Products:
950-kw generator introduced (N) *Sept. 104
De-misters—plastic mattress-type *Jan. 51
Department of Transportation:
national policy favors user charge (E) Oct. 176
Design and handling of Pisces vehicles *Apr. 44
Destroyers:
Arthur W. Radford (DD-968) christened May 72
Bainbridge—DD-1 (E) May 138
Caron christened—DD-970 Spruance-class Sept. 72
David R. Ray christened—DD-971 Oct. 84
DD-1 Bainbridge commissioned in 1902 (E) May 138
DD-972 Oldendorf christened Dec. 78
Forrest Sherman class (E) May 138
gas turbines for British Royal Navy Feb. 107
multi-mission from Ingalls/Litton *Dec. 67
Parsons (DD-949)—Forrest Sherman (E) May 138
Peterson launched—DD-969 July 50
Spruance (DD-963)—new Navy May 38; (E) May 138/ Oct. 84
Detroit Edison:
self-unloaders not ordered—two Nov. 134
2 self-unloaders ordered Sept. 36
Detyens Shipyards, Inc.:
expands ship-repair capability *YB 64J
Deutsche Afrika-Linien GmbH:
Woremann Sankuru delivered—bulk carrier May 72
Devault Manufacturing Company:
H.P.D.-3015 hydraulic marine crane (N) *June 74
Developments in ocean facilities eng. *June 50
Device designed to combat distortion (N) July 72
Device for processing sewage (N) *Dec. 102
Device recovers variety of oils from water (N) May 90
Devonshire delivered—LPG carrier Jan. 67
DeZURIK—unit of General Signal:
valves—line of new butterfly (N) *Feb. 84
Diagnostic system can cut costs (N) Jan. 94
Dickman, James J., president CONASA:
no waterfront strike since WW11 (E) June 110
Diesel propulsion:
American diesel manufacturers build wide variety of engine models *Oct. 42
Low-speed giants of the diesel world power the mammoth ships *Oct 50
Many technological advances in past few years *Oct. 41
Medium-speed diesels are built by many firms worldwide *Oct. 58
Diesels:
Fairbanks Morse for bulk carriers Sept. 166
for Iconay Shipyard May 118
Digidata—situation recorder (N) Oct. 108
Diginav—automatic navigation system (N) Oct. 107
Digipilot—fully adaptive autopilot (N) Oct. 107
Digiplot equipment Oct. 107
Digitizer—PDD-200C precision depth (N) Aug. 72
Direction-finding systems—AN/BRD-7 July 88
Discoverer 534 delivered—drillship Nov. 74
Disposable slings cut handling cost (N) *Feb. 88
Distillers supply fresh water—Nirex (N) Apr. 112
Distinctive ships: A portfolio *Dec. 43
Diving services for Phillips *Sept. 80D
Diving systems—a portfolio of innovative *Apr. 46
Dixie Dredge Corporation:
dredge for Yemen port improvement Apr. 84F
D-Meter for hull thickness gauging (N) Aug. 82
Donald O'Toole in service—tug *Jan. 58P
Donhaiser-McClure & Associates:
semi-submersible support ship designed June 66
Donnington launched/christened Oct. 84
DOT national policy favors user charge (E) Oct. 176
Double-bottom hull in the Isabell *Dec. 57
"Double dip" for KP (E) May 130
Dowell Chemical Company:
Delta Diamond 5 delivered—pushboat Apr. 82
Downtime of boats—tougher shafts reduce June 66D
Drafting machine developed (N) *Jan. 94
Dravo Corporation:
Argonaut—Viking-class towboat *July 42
delivers 1st super viking towboat *Jan. 35
J.B. Kleinpeter christened—towboat YB 64P
Lady Roberta delivered—Viking towboat *Oct 82L
Rusty Flowers launched—towboat *Dec. 74B
3 water piers for new bridge Nov. 136
22 tainter gate hoists for Jones-Teer Mar. 127
Dredge:
one for Yemen port improvement Apr. 84F
Dredger Beaver Mackenzie—converted *Nov. 44
Drill pipe handling for offshore drilling Dec. 76
Drilling platforms:
Marathon building three *Sept. 78
Shenandoah launched *Sept. 78
three-caisson principle design *Sept. 49
twin-hull type *Sept. 49
Drilling rigs:
Brinkerhoff 1—christened *Feb. 54F
catamaran type Sept. 50
covered lifeboat for use on (N) *Feb. 79
Dyvi Beta/Dyvi Gamma—jack-up Jan. 58L
Marathon built 3—1 more being built *Sept. 78
MiniSemi—new *April 84N
Penrod 71 delivered *Mar. 56
Penrod 72/Penrod 75 to be delivered *Mar. 56
Scarabeo III delivered *Sept. 49
Scarabeo IV being built *Sept. 49
Sedco 135 series design *Sept. 49
Sedco 471 being built *Dec. 72
Sedco 709 under construction *Dec. 72
Shenandoah launched *Sept. 78
Stardrill named *Dec. 72
3-caisson principle design *Sept. 49
Drilling ships:
Pat Rutherford, Sr. *Jan. 58
Discoverer 534 delivered Nov. 74
Marlin No. 7 commissioned *Nov. 62H
Drive shafts for boats—tougher June 66D
Dry cargo carrier keel laid at Maj. Nov. 74
Dry cargo vessel Ohtori delivered May 72
Drydock Almirante Alexandrino launched July 50
Drydock built in 4 months—concrete *July 46A
Drydock launched in West Germany Oct. 84
Dual outlet blaster designed (N) *Sept. 102
Dubigeon-Normandie S.A.:
Svea Corona—French-built ferry *Dec. 68
Durham Associates, Inc.:
oil recovery unit developed (N) Many 90
Duty Master a-c motor (N) *Dec. 96
Dwight D. Eisenhower launched—CVAN 69 Nov. 74
Dyna I all-electric governor (N) *Oct. 107
Dyna II series of controls (N) *Oct. 107
Dynamic-positioning systems (DPS) Aug. 124
Dyvi Beta—drilling rig Jan. 58L
Dyvi Gamma—drilling rig Jan. 58L

E

E.N. Belcher, Jr.—pusher tug *Jan. 33
Eagle—tall ship (ES) May 130
Ear-Com—ear-to-ear communication (N) *July 66
Ear piece helps user speak/hear clearly (N) *July 66
Eccofloat DN-29—flexible material *Apr. 110
Economou & Company Ltd.:
Melete christened—bulk carrier June 52
EconoTrip containers (N) *Sept. 98
Edmont-Wilson:
oxygen analyzing instruments (N) Mar. 88
Edo Corporation:
drill rig safety system (DRSS) Aug. 60D
$10 million overseas order Jan. 118
Effective control fleet views (E) July 102
Eisenberg, Philip:
succeeded by Honsinger as pres. of SNAME *Jan. 44
El Macho delivered—pushboat *May 62H
El Paso Paul Kayser—largest LNG carrier *Dec. 53
Elbe Maru christened—ore/oil carrier Nov. 74
Elbe Maru delivered—ore/oil carrier Sept. 72
Electric Boat Division:
Glenard P. Lipscomb commissioned—sub Jan. 67
Electrical equipment for Kuwait ships Aug. 124
Electrodes—American-made gravity Mar. 146
Electronics system delivered to U.S.A. Jan. 118
Eleusis Shipyards, S.A.:
Aktea delivered—bulk carrier June 52
Elevating Boats, Inc.:
CM-100 installed *Mar. 41
Elias explosion—tanker *Jan. 50
Eliska Theriot—2nd of 9 tugs for Theriot *July 42
Elizabeth C.J. launched—superseiner *Mar. 58
Ellas & Associates:
Asean & Associates:
Asean Pioneer designs—mini-bulker *Dec. 48
Ellicott Machine Corporation International:
ships world's 1st totally containerized dredge Nov. 62D
Elliot (DD-967) christened Feb. 64
Elwood Mead stranded—bulk carrier (E) Apr. 168
Emergency Oxygen Company:
Mark III inhalator/resuscitator (N) *Mar. 90
Emerson & Cuming, Inc.:
Eccofloat DN-29—flexible material *Apr. 110
Empire State V.—training ship:
Maritime Day festivities aboard (E) June 102
Employee rights under OSHA—no problem (E) Mar. 160
Empresa Maritimo Portuaria de Importacion:
dry cargo carrier keel laid at Maj. Nov. 74
Empro of Edina, Minn.:
foaming interiors of old barges *June 46
Energy crisis spurs submersible usage (E) Apr. 184
Energy development—regional resistance to (E) Dec. 164
Energy Incorporated:
ultrasonic thickness gauge (N) Nov. 94
Energy Trans. Security Act HR 8193:
President Ford's veto of (E) Jan. 140
Engineering Technology Analysts, Inc.:
Dyvi Beta/Dyvi Gamma designs—drill rigs Jan. 58L
Engines:
George Engine orders over 100 type F Mar. 128
Ensign 4 radiotelephone (N) *Feb. 86
Enterprise delivered to Gulf Overseas Nov. 62G
Environmental Protection Agency:
noise problem *Mar. 31
Epoxy coating protects tanks (N) Apr. 116
Equitable completes 3rd boat for Otto *Jan. 28
Equitable Equipment Company, Inc.:
Adele Candies—3rd boat for Otto *Jan. 28
Eliska Theriot—2nd of 9 tugs *July 42
Martha Theriot—1st of 9 tugs delivered *Feb. 54
125 more LASH barges May 72
2 ferryboats for La. Dept of Highways Nov. 62B
Eriksbergs:
Mercury delivered—tanker *Dec. 59
Eriksbergs Mek Verkstads AB:
Kollbris delivered—14th of 20 tankers *Dec. 59
Kollskegg delivered—tanker *Dec. 59
Kotuku launched—products carrier Apr. 92
Esmeralda—tall ship (E) May 130
Essi Camilla launched—bulk carrier Dec. 78
Esso Bibao delivered—tanker June 52
Esso Coral Gables delivered Oct. 84
Esso Geneva delivered—tanker Sept. 72
Esso Hafnia delivered—handy size tanker *Dec. 54
Esso Kawasaki delivered—tanker Jan. 67
Esso Tampa delivered—tanker Nov. 74
Esso Tankers, Inc.:
Esso Bilbao delivered—tanker June 52
Esso Coral Gables delivered Oct. 84
Esso Geneva delivered—tanker Sept. 72
Esso Kawasaki delivered—tanker Jan. 67
Esso Tampa delivered—tanker Nov. 74
Estimated Arab tanker carrying capacity YB 250
Ethnic delivered—tanker June 52
Europa class tanker Eoannis Colocotronis *Apr. 70; *Dec. 56
Europa tanker—6 freighters instead of 2nd *Nov. 31
Europa tankers powered by GE turbines *Apr. 70; *Dec. 56
Euro-Pirates International, Inc.:

Chevalier De Gramont launched *Oct. 82
Sir Francis Drake launched—supply ship *June 64
Sir Richard Hawkins launched—boat YB 64N
Europort:
still world's top marine exhibition *Jan. 55
Europort '74 held in Amsterdam *Jan. 55
Europort '75 to be held in Amsterdam *Jan. 55
Exhibition—marine:
still world's top *Jan. 55
Exhibitions:
5th international shipping *July 34
LNG/LPG technology—in Paris (E) July 94
Nor-Shipping *July 34
Expandi-Oil boom developed (N) Jan. 94
Expansion plans focus on containers *July 37
Experts discuss propeller noise *May 66
Explosion relief valve (N) Oct. 110
Explosions:
Bidwell in 1933 at Marcus Hook, Pa. *Jan. 48
conditions on tankers that cause *Jan. 48
Elias-tanker *Jan. 50
ICS to determine cause of *Jan. 49
Kong Haakon VII *Jan. 49
Mactra damaged by—Shell's *Jan. 49
Shell's Marpressa lost to an *Jan. 49

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FCB method (flux copper backing) Mar. 140
FMC Corporation:
Chevron Colorado christened—tanker Dec. 78
Chevron Washington launched—tanker Mar. Mar. 66
gas turbines power tankers built by *Dec. 50
GT-3 keel laid—tanker Apr. 92
FMC's Marine & Railway Equipment Div.:
Chevron-Oregon—gas turbines power *Dec. 50
FY76/FY77 SCN programs—proposed *YB 67
Fairbanks Morse Engine Division of Colt:
diesel engine for bulk carriers Sept. 166
Fairchild Space & Electronics Company:
electronics system delivered to U.S.A. Jan. 118
"False bow"—LASH barges get *Feb. 54D
Far East Hydrofoil Company:
Jetfoils bought from Boeing (E) Aug. 138
Fast 38-ft survey boat delivered *Dec. 74D
Feasibility of nuclear icebreaking ship *Mar. 62
Feasibility study for concrete submarine *May 68
Federal Maritime Commission:
Amerpol licensing approval awaited (E) Mar. 152
Federal Republic:
nearly 70 shipyards in the *Nov. 29
Fenders—Sea Cushion marine (N) *July 73
Ferrocement reinforced steel plate *Feb. 60
Ferryboats:
Delaware completed—shallow draft *Jan. 32
French-built for Swedish-Finnish *Dec. 68
Nickum & Spaulding to design two 475-ft *Nov. 60
Svea Corona delivered *Dec. 68
two for La. Department of Highways Nov. 62B
Venus delivered—car/passenger Nov. 74
Field International Drilling Company
Pat Rutherford, Sr.—drilling ship *Jan. 58
Field Viking Drilling S. de R.L.:
Pat Rutherford, Sr.—drilling ship *Jan. 58
50-ft tender for Texas Gulf July 46H
5600-hp Viking-class towboat for Chotin YB64P
Filter/separator unit—800A-30 fuel (N) May 92
Filterbelt—Marco oil recovery Mar. 128
Filteron MSD 1000 for treating sewage (N) *Dec. 102
Filteron Systems, Inc.:
device for processing sewage (N) *Dec. 102
Fire-Cide shutoff valves (N) *Nov. 94
Firefighter—fireboat:
Gallant Ship Award (E) June 102
Fire-fighting ship Seaway Falcon *Sept. 80D, *Dec. 66
First National Boston Corporation:
Massachusetts delivered—VLCC *Dec. 60
First National Boston Corp.—subsidiaries of:
3 tankers ordered from Beth-Sp *Feb. 64
First of 4 mini-bulkers from Singapore *Dec. 48
First of new tanker series from Italy *Dec. 62
First of new type of trawler/crabber *May 62
First of 9 big ocean tugs delivered *Feb. 54
First of series from Polish yard *Dec. 50
First of 6 large-capacity boats by Todd *Jan. 38
First of six towboats delivered *Mar. 60D
First tug-supply boat launched by Mangone July 46F
First ULCC of new Europe class tanker *Apr. 70
Fisher Controls Company:
valves—rotary shaft (N) *Oct. 98
Flagstaff (PGH-1) designs to Navy (E) Aug. 138
Flame-cutting machines—LCD line (N) *Mar. 84
Fleet-management techniques—new look at Feb. 34
Flender Werft, A.G.:
Maersk ship designs *Dec. 45
3 Maersk ships—building *Dec. 45
Tor Britannia—cruise liner *Dec. 68
Fletcher, Milton E.:
marine insurance—a practical view *May 66
Flexible barrel for welding guns (N) May 92
Flexible flotation material (N) *Apr. 110
"Float-free" emergency radio beacon (N) *May 86
Floating drydock launched—West Germany Oct. 84
Flood control—urban (E) June 110
Florida Towing Company:
Mary M. Coppedge delivered—tug *YB 64B
95-ft ocean-going tug ordered Oct. 82L
Flowers Transportation Co., Inc.:
Rusty Flowers launched—towboat *Dec. 74B
FLUME stabilization system:
on the Americana *Dec. 47
Foaming interiors of old barges, etc. *June 46
Foley, John L.:
impressions of the ABS to the next quarter century *Apr. 81
Forano delivered—bulk carrier Sept. 72
Ford Foundation:
grant to Brookings Institution (E) Apr. 184
Ford, President Gerald:
cut oil imports 2 mill. bbl a day (E) Jan. 140
shock waves from user charges (E) Nov. 148
Foreign and U.S. ports *YB 195; *July 37
Forrest Sherman class destroyer (E) May 138
Fort Coulonge launched—clean products Dec. 78
Fort Kipp delivered—tanker July 50
Fort Schuyler Forum:
"crystal balls" next 25 years *Apr. 79
23rd annual (E) Feb. 114
Fortune-type vessel:
Ohtori delivered May 72
Tradewind Oct. 84
49-ft boarding boat for Cape Fear Marine *Jan. 29
Forums:
"crystal Balls" next 25 years *Apr. 79
Fort Schuyler—23rd annual (E) Feb. 114
Foss, Bruce E.:
guidance manual for loading bulk car. *Feb. 60
Foss Launch & Tug Company:
Foss 343 launched—barge *Apr. 84L
Foss 343 launched—barge *Apr. 84L
Foster, Inc., Christopher J.:
graving dock designs May 62F
Four talks cover coal movements *July 40
Fox, David L.:
small craft power prediction *Apr. 88
Foxboro/Trans-Sonics, Inc.:
Ferrograph analyzer developed *July 30
France:
Dyvi Beta/Dyvi Gamma to be built in Jan. 58L
exit from service—passenger ship YB 249
world's largest LNG carrier built in *Dec. 53
Franklin Company, E.R.:
marine automation/valve control systems *Jan. 48
tanker gaging system *Jan. 48
Franklin Mint of Philadelphia:
Project Hope—commemorative medal for (E) Oct. 168
Franklin, Ted:
inert-gas systems for tankers *Jan. 48
Fraser Shipyards, Inc.:
guests toured *July 40
Fredriksstad:
de-misters *Jan. 51
scrubbers—rubber-lined *Jan. 52
300 complete shipsets *Jan. 52
Fredriksstad mek Verksted:
packed scrubber *Jan. 51
Free fall welding *Mar. 36
Freedom-class boat Acadian Defender *Jan. 28
Freedom-class vessels built—2 *Sept. 80B
Freighters:
Americana enters service—Italian line's: *Feb. 48
Inger—first powered by new turbodiesel *Oct. 66
Katori Maru delivered Nov. 74
Lok Vivek launched Sept. 72
Ohtori delivered May 72
sistership to Americana to be built *Feb. 48
6 insteamd of 2nd Europa tanker *Nov. 31
Soviet exporting to many countries *Sept. 60
French-built ferry for Swedish/Finnish *Dec. 68
Friede & Goldman, Inc.:
catamaran type drilling units *Sept. 50
Scarabeo III designs—drilling rig *Sept. 49
Scarabeo IV designs—drilling rig *Sept. 49
Sedco 135 series drill rig design *Sept. 49
3-caisson principle drill rig design *Sept. 49
two ferryboat designs Nov. 62B
Friedrian-Samalts grinder *Oct. 71
Frigates:
gas turbines for Royal Netherlands Navy Feb. 107
keels laid for 4 Feb. 64
Frigitemp Corporation:
specialized insulation systems Mar. 126
Fuel-saving seminar at Webb Institute (E) Mar. 152
Furness Withy Group:
Cairnleader delivered—mini bulker Oct. 84
marine equipment for 3 bulk carriers Aug. 124

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GHH Sterkrade, Nordenham Yard:
floating drydock launched Oct. 84
Gallant Ship Awards (E) June 102
GATX Bulkcarriers:
Martha/Ruth launched Feb. 64
GHH-Sterkrade:
Almirante Alexandrino launched—drydock July 50
GT-3 keel laid—tanker Apr. 92
Gages:
ultrasonic thickness for Panametrics (N) *Apr. 114
Gaging system—tanker *Jan. 48
Galbraith Pilot Marine Corporation:
centralized automation system Sept. 166
Garbeta delivered—ammonia carrier *Dec. 54
Garzke, Jr., William H.:
Vice-Admiral E.L. Cochrane award *Jan. 45
Gas—cooled/scrubbed low-oxygen flue *Jan. 48
Gas turbines:
for 4 Royal Netherlands frigates Feb. 107
for marine propulsion (E) Feb. 114
for Stratfjord North Sea project July 88
/fuel additives *Apr. 158
on three ships *Apr. 158
power tankers built by FMC *Dec. 50
Gastech coming to fun city (E) Nov. 148
Gastech 74 Congress:
bound volume of all papers available *Jan. 55
Gastech 75:
alive and very well in Paris *Nov. 37
LNG/LPG Congress/Exhibition in Paris (E) Nov. 148
1 to 21, incl., papers presented at *Nov. 39
Gastech 75 Congress:
in Paris—Sept. 30 to Oct. 3, 1975 *Jan. 55
Gastech 75 Congress in Paris (E) July 94
Gastech 76:
LNG/LPG Congress/Exhibition N.Y. (E) Nov. 148
Gates Construction Company:
Atlantic II delivered—crewboat *Sept. 80
GATX Bulkcarriers Belgium N.V.:
Yaffa christened—bulk carrier July 50
Gauge—ultrasonic thickness (N) Nov. 94
Gaz Transport technique:
El Paso Paul Kayser built according to *Dec. 53

Gazela Primeiro—tall ship (E) May 130
Gdynia Shipyard:
Jana Priya launched—bulk carrier July 50
General Chemical Corporation:
Tiger Saline Dissolvent MT6 (N) Sept. 94
General Dynamics/Quincy Division:
LNG-2 keel laid—2nd of 8 LNG carriers Jan. 67
Navy declines to bid on Seabees (E) Nov. 156
raised 2400-ton main girder (E) Aug. 130
3 Seabees for Lykes Bros. (E) Nov. 156
General Electric Co., Ind./Mar. Steam Turbine:
marine reheat steam turbine power plant Aug. 124
General Electric Credit Corporation:
Brooklyn/Williamsburgh bought—tankers Jan. 140
General Motors:
computerized electronics system Aug. 124
General Petroleum & Mineral Organization:
Petroship B—tanker launched Jan. 67
Generation plants ordered July 88
Generator introduced by Demco—950-kw (N) *Sept. 104
George Engine Company, Inc.:
Margaret D delivered—towboat *Mar. 60D
Okaloosa delivered—towboat *May 62D
orders over 100 type F engines Mar. 128
Powerjet 24 waterjet propulsion system YB 64F
Georgia delivered—pilot launch Mar. 60;B
German Shipbuilders' Association:
most ships built for export *Nov. 31
German-built Friedrian-Samalts grinder *Oct. 71
Germany—chemical tanker for French *Dec. 51
Gibson Shipbrokers Ltd., E.A.:
tanker market report Feb. 28, 1975 *YB 91
Gigantic power unit built Oct. 82F
Gill, Henry L.:
developments in ocean facilities eng. June 50
Girder raised—2400-ton main (E) Aug. 130
Gladding-Hearn Shipbuilding Corporation:
Cape Fear Pilot III—boarding boat *Jan. 29
Gleason, Thomas W., President, ILA:
no waterfront strike since WW11 (E) June 110
Glenard P. Lipscomb commissioned—sub Jan. 67
Global Marine, Inc.:
feasibility of nuclear icebreaking ship *Mar. 62
Globtik London/Globtik Tokyo—tankers Feb. 64
Globtik London—tanker *Sec. 61
Globtik Tankers, Ltd.:
Globtik London/Globtik Tokyo—tankers Feb. 64, *Dec. 61
Globtik Tokyo—tanker *Dec. 61
Gloria G. delivered—towboat *Jan. 33
Gloria—tall ship (E) May 130
Glosten & Associates, L.R.:
Foss 343 designs—barge *Apr. 84L
Gold Tide delivered—crewboat *Oct. 80
Golden Endeavor/San Clemente-class tanker Jan. 67
Golden Monarch delivered—tanker Aug. 50
Golden Monarch launched—tanker *Mar. 66
Good backlog; future uncertain *YB 75
Good market seen for "mini-bulker" in world-wide trade *Sept. 66
Good start for world's largest RO/RO *Nov. 49
Gooseneck hold-down dog (N) July 72
Gorch Fock—tall ship (E) May 130
Gore & Associates, Inc., W.L.:
Gore-Tex joint sealant (N) *Feb. 80
Gotaverken:
Wisa delivered—tanker *Dec. 69
Goudy & Stevens:
America's Cup—duplicate of yacht May 130
Goulandris (Agencies) Ltd., A.N.:
Marietta delivered—1st of 2 tankers Mar. 66
Goulandris (Agencies), Ltd., N.J.:
Nafcratis launched—tanker June 52
Government of the Polish People's Republic:
Amerpol to aid growing trade with U.S. Mar. 152
Governor for engines—all-electric (N) *Oct. 102
Grace McAllister—tug:
Gallant Ship Award (E) June 102
Graduate/undergraduate paper prizes/awards *Jan. 45
Graiglas delivered—bulk carrier—June 52
Graving dock—construction begun on May 62F
Graythorpe II—2nd platform for BP Forties *Sept. 80J
Great Britain:
Soviet exporting hydrofoils/cargoships *Sept. 61
Great Lakes:
graving dock construction begun on May 62F
U.S.-flag bulk carriers on 12/31/74 YB 92
Great Land launched—trailership July 50
Great Land now in Seattle-Alaska trade *Dec. 55
Great land—world's largest RO/RO *Nov. 49
Greenwood, John O., Pickands Mather & Co.:
bulk cargo handling—important trends emerge (E) Sept. 180
Grenadier launched—tuna superseiner June 72
Grinder—largest crankshaft *Oct. 71
Gripdeck floor plate—AMAX (N) Jan. 96
Grounding of Metula—Shell tells all on the *Apr. 54
Groznyy delivered—products carrier Aug. 50
Grumman Aircraft Engineering Corp.:
Flagstaff (PGH-1)—patrol gunboat (E) Aug. 138
H.S. Denison delivered in '62 (E) Aug. 138
Gruziya delivered—auto/passenger ship Aug. 50
Gulf Mississippi Marine Corporation:
2 tugs ordered from Equitable Equipment *Feb. 54
Gulf Oil Canada, Ltd.:
2 ice-strengthened tankers ordered Noov. 74
Gulf Oil Corporation:
Afran Odyssey launched—tanker May 72
A1-Andalus originally ordered by *Dec. 44
keel laid for 1st of 2 tankers Aug. 50
La Santa Maria launched/chartered Oct. 84
2 tankers ordered from Beth-Sp *Feb. 64
Gulf Overseas Marine Corporation:
Enterprise delivered to—tug Nov. 62G
Gulf Zaire Oil terminal:
mooring terminal system Sept. 166
Gunboat Flagstaff (PGH-1) designs (E) Aug. 138
Gunboat Monitor a monument (E) Feb. 114
Guns—flexible barrel for welding (N) May 92
Gyre—research ship *Jan. 34

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H.P.D.-3015—hydraulic marine crane (N) *June 74
H.R. 9294—AIMS president supports bill (E) Dec. 172
H.S. Denison—hydrofoil (E) Aug. 138
H.S. Victoria—hydrofoil (E) Aug. 138
HAI-223 delivered—oil rig supply ship Sept. 72
HAI-225 to carry men/materials—supply ship *Dec. 74D
HEW (Depart. Health, Education, Welfare):
employee rights under OSHA (E) Mar. 160
HIAB-FOCO:
versatile crane for two boats (N) *Apr. 113
HR 8193 veto—tanker preference bill (E) Jan. 140
Haaland, Christian:
Newbuilding 1217 launched—tanker Feb. 64
Hagb Waage
order for 2 tankers cancelled *Nov 31
Halitax Shipyards Division of Hawker:
Sedco 471 being built—drilling rig *Dec. 72
Sedco 709—drilling rig *Dec. 72
Stardrill named—drilling rig *Dec. 72
Halliburton 218 launched—supply ship *Jan. 35
Halmar class crewboat Atlantic II *Sept. 80
Halmar-class vessel delivered *Nov. 62G
Halter Marine Fabricators, Inc.:
Chevalier De Gramont launched *Oct. 82
Halliburton 218 launched—supply ship *Jan. 35
Mawddy Tide launched—supply vessel *Mar. 60D
Mil-Tide delivered—supply ship *Sept. 80
Sir Francis Drake launched—supply ship *June 64
Sir Richard Hawkins launched—boat YB 64N
Halter Marine Services, Inc.:
Atlantic II-second crewboat delivered *Sept. 80
Gold Tide delivered—crewboat *Oct. 80
Jaramac 50 delivered—crewboat *Aug. 60
Northern Worker delivered—supply boat *Apr. 84
Halter Marine Services, Inc., Chalmette:
high-speed vessel delivered *Nov. 62F
Hamburger Lloyd:
Chemist Lutetia—charters tanker *Dec. 51
Hamworthy Engineering, Ltd.:
modular air compressor (N) *Jan. 90
Hansen Norwegian Company:
PSI-Liaaen c-p propellers for 3 tugs July 88
Hansen-Tangens Rederi A/S:
Adna launched—tanker Mar. 66
Hansen-Tangens Rederi A/S, H.E.:
8th of 10 tankers delivered to Dec. 78
Hapag-Lloyd AG:
6 freighters instead of 2nd Europa tanker *Nov. 31
Harbor Boat Building Company:
keel laid for marine terminal Mar. 66
SPM terminal to be anchored off Mexico *Sept. 80B
Harbormaster units power barges *Nov. 58
Hargrave, J.B.:
Seabulk Challenger/STL 3901 designs *Feb. 41 *Dec. 64
Harland & Wolff, Ltd.:
Essi Camilla launched—bulk carrier Dec. 78
Harnischfeger:
P&H 50-SMC marine crane (N) Oct. 110
Harry M. Mack launched—towboat *May 62D
Hartwig, C.:
Amerpol International established (E) Mar. 152
Polish Entente/U.S. begin operations (E) Mar. 152
Hatch covers for ELMA ships Sept. 166
Haw Par Group:
Asean Pioneer designs—mini-bulker *Dec. 48
Hawaiian International Shipping Corp.:
3 tanker contracts cancelled (E) *YB 7
Hawthorne Leslie (Engineers), Ltd.:
propulsion equipment from Westinghouse May 117
Hayward Manufacturing Co., Inc.:
deck access box—new improved (N) *Dec. 98
Heath Engineering Company:
flame-cutting machines (N) *Mar. 84
Heath/Liquid:
LCD line flame-cutting machines (N) *Mar. 84
Heede-Alimark Alivator hoists (N) May 88
Heede International, Inc.:
hoists transport materials/men, etc. (N) May 88
Heeling control system—Telelist (N) *Dec. 90
Helmet—rain trough safety (N) *Mar. 92
Helsingfors Steamship Company AB:
Altano launched—bulk carrier Sept. 72
Henry B delivered—towboat *Oct. 76
Henry Company, Inc., J.J.:
Maine designs—roll-on/off ship June 52
USCO Polar Star construction problems *Mar. 61
Herbert C. Jackson conversion *Oct. 82D
Heritage Yacht Corporation:
pilot boat for Boca Grande Pilots *Nov. 62D
Higashi-Nihon Ferry Co., Ltd.:
Venus delivered—car/passenger ferry Nov. 74
High accuracy features totalizers/converters (N) Apr. 116
High capacity unit, etc. (N) May 92
High Point (PCH-1) designs to Navy (E) Aug. 138
High pressure purifiers (N) Aug. 77
High torque flexible shaft produced (N) June 78
Highlights of this YB issue (E) YB 5
Highly computerized—Sea Saint is *Feb. 29
High-speed cutting boosts productivity *Mar. 40
High-speed vessel to service tankers *Nov. 62F
Hillman Barge & Construction Company:
new class of towboats/low operating costs *May 60
Hilmar Reksten:
Kong Haakon VII—damaged by explosion *Jan. 49
Hiltzheimer, Charles I.:
ODS funds into CDS suggested (E) Oct. 176
Hines, Incorporated&
Steermaster bow steering system YB 64D

Hinode Kisen Company, Ltd.:
Katori Maru delivered—cargoship Nov. 74
Hi-Shear Corporation:
React-A-Matic power torque wrench *Oct. 98
Hitachi Shipbuilding:
a major hydrofoil builder in Japan (E) Aug. 138
Esso Bilbao delivered—tanker June 52
Southern Lion delivered—tanker June 52
Hitachi Zosen:
Esso Hafnia delivered—tanker *Dec. 54
HAI-223 delivered—oil rig supply ship Sept. 72
Hoan Maru delivered—bulk carrier Nov. 74
Katori Maru delivered—cargoship Nov. 74
Khark delivered—tanker Nov. 74
Lissa delivered—tanker Apr. 92
Mantinia delivered—tanker Nov. 74
offshore supply ship launched Jan. 67
Pavel Rybin delivered—ship carrier Apr. 92
River Princess delivered—ore carrier Sept. 72
tanker for Majestic Tanker Corp. Sept. 72
Woermann Sankuru delivered—bulk carrier May 72
World Ambassador delivered—tanker July 50
World Nisseki delivered—tanker Feb. 64
Hoan Maru delivered Nov. 74
Hobart Brothers Company:
gravity electrodes Mar. 147
iron powder joint fill additive *Mar. 33
Hoffman relocates derricks *Jan. 58H
Hoists transport materials/men, etc. (N) May 88
22 tainter gate for Jones-Teer Mar. 127
Hoists:
Hoists&
22 tainter gate for Jones-Teer Mar. 127
Hoists transport materials/men, etc. (N) May 88
Holland Bulk Transport of Rotterdam:
Maasbracht launched—FLCC Oct. 84
Hollett, John S.:
feasibility of nuclear icebreaking ship *Mar. 62
Hong Kong International Terminals Ltd.:
formed by two companies %July 37
Hong Kong & Kowloon Wharf & Godown
Hong Kong & Kowloon Wharf & Godown Company:
fifth container terminal built *July 37
Hong Kong & Whampoa Dock Company:
new company formed by *July 37
Honsinger, USN (Ret.), RADM L.V.:
named president of SNAME *Jan. 44
subsidies, maritime history, nav. shipbldg *Apr. 88
Hood, Edwin M., Pres., Shipbuilders Council:
opposes waiver application (E) Feb. 122
some 400 studies of U.S. shipbuilding (E) Apr. 184
HOPE—commemorative medal for Project (E) Oct. 168
Hornet III launched—tuna superseiner July 50
Hotsy cleaning systems (N) Dec. 100
Hotsy sand jet—portable (N) Dec. 100
House Merchant Marine Subcommittee:
boost in CDS rate urged at hearings (E) Oct. 176
official views differ on value of (E) July 102
Houston firm designs drilling rigs Jan. 58L
Hovercraft:
competition growing in marketplace (E) Aug. 138
How safe is safe?—paper at forum *Apr. 79
HOW-160 sandblasting machines (N) *Jan. 92
Howard Smith Industries Pty. Ltd.:
Buccaneer/Privateer launched—tugs *Jan. 58B
West Germany's largest shipbuilder *Nov. 30
Howard Smith Industries Pty. Ltd.:
Buccaneer/Privateer launched—tugs *Jan. 58B
Howden & Company, Ltd., James:
inert-gas systems for ships *Jan. 49
Howden de-misters *Jan. 51
Hoyer Ellefsen:
Condeep production platform Sept. 80N
Hudson Cavalier launched—products carrier Oct. 84
Huge barge launched in narrow estuary *Apr. 84L
Huge drilling rig is 1st of its type *54F
Huge grinder renews diesel crankshafts *Oct. 71
Hull syndicate hurting (E) Apr. 168
Hull underwriters—rough year for (E) Apr. 168
Hydraulic clamshell bucket (N) *Sept. 98
Hydraulic crane—H.P.D.-3015 marine (N) *June 74
Hydraulic systems:
can power oil barge transfer pumps (N) Aug. 76
Hydrodyne hull in towboat John D. Geary *Apr. 84L
Hydrofoils:
built in Italy (E) Aug. 138
built in Japan (E) Aug. 138
competition growing in marketplace (E) Aug. 138
Flagstaff (PGH-1) designs—gunboat (E) Aug. 138
H.S. Denison/H.S. Victoria (E) Aug. 138
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Italian—are diesel-powered (E) Aug. 138
leading builder in 25 yrs from now? (E) Aug. 138
PCH-1 High Point designs to Navy (E) Aug. 138
PT-20/PT-50 major builders in Japan (E) Aug. 138
Pacific NW hears presentation on July 40
Pegasus (PHM-1) designs to Navy (E) Aug. 138
Plainview (AGEH-1) designs (E) Aug. 138
Russian-built (E) Aug. 138
Soviet exporting to many countries *Sept. 60
two major builders of—in Japan (E) Aug. 138
USSR first exporter of *Sept. 61
Hydrographic vessels:
Ammiraglio Magnaghi launched Feb. 64
Hydronautics, Inc.:
Neat: New efficient American tanker *Apr. 61
Hyundai Shipyard:
electrical equipment for 15 cargoships Aug. 124

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IEEE/MST first combined annual meeting *Nov. 52
IHI, Kure, Japan:
Globtik London/Globrik Tokyo—tankers Feb. 64
Nissei Maru launched—tanker Feb. 64
Icebreaker Admiral Makarov delivered *Dec. 44
Ice-classed supply vessel *Aug. 60
Icewarn program *Nov. 56
Iino Kaiun Kaisha, Ltd.:
Shuho Maru delivered—tanker Oct. 84
ILA/CONASA—container-handling accord (E) June 110
ILA (International Longshoremen's Asso.):
protests higher Panama Canal costs (E) Sept. 180
ILA protests container rules (E) Apr. 168
Ildhuso, Gunnar:
North American—crab boat *YB 64A
ILO regulations *Dec. 47
IMCO (Inter-Governmental Maritime Consultative Organization):
Sea Saint—new regulations met in the *Feb. 29
IME (Institute of Marine Engineers):
forum "crystal balls" next 25 years *Apr. 79
inert gas systems—how safe is safe (E) Feb. 114
23rd annual Fort Schuyler Forum (E) Feb. 114
IMODCO, Inc.:
marine terminal designs Mar. 66
mooring (SALM) terminal system Feb. 107
mooring terminal systems—2 Sept. 166
SPM buoy—single point mooring *Nov. 62B
SPM terminal to be anchored off Mexico *Sept. 80B
Imperial Oil Company of Canada:
Beaver Mackenzie charter contract let *Nov. 44
Beaver Mackenzie (ex. W.D. Thames) *Nov. 44
Improved radar from Ridge (N) Nov. 90
Inagua Surf—deck/loading landing ship *Nov. 62B
Incinolet incinerating toilet (N) *Nov. 100
Indonesian Dir. Gen., Water Resources Dev.:
world's 1st containerized dredge Nov. 62F
Infrared remote sensing system Nov. 136
Ingalls/Litton destroyers—multi-mission *Dec. 67
Ingersoll-Rand Company:
winch—popeye (N) *Dec. 90
Institute of Electrical & Electronics Conf.:
first combined annual meeting *Nov. 52
Inter-Governmental Mar. Consultative Org.:
oil bill legislation (E) Dec. 172
International Compensation Fund:
oil spill legislation (E) Dec. 172
Investment in new West Germany facilities *Nov. 35
Iotron collision-avoidance system Aug. 124
IRD Mechanalysis, Inc.:
vibration meter (N) *Sept. 104
ITT Barton:
high accuracy converters/totalizers (N) Apr. 116
ITT Decca Marine:
Seapirb—emergency radio beacon (N) *May 86
STR 24 VHF/FM radiotelephone (N) *Sept. 102
IUC:
Beaver Mark IV—submarine workboat *Apr. 40
Mermaid II—submersible *Apr. 41
IUC, New York:
submersible operations improvement (E) Apr. 184
IUC's vehicles perform diverse tasks *Apr. 40
Icebreaker Lenin—USSR experimental *Sept. 61
Icebreaking support ship Princess Louise *Mar. 62
Iconay Shipyard:
diesel engines ordered from Stork May 118
Idemitsu Tankers Company:
Andes Maru delivered—tanker Apr. 92
Tokuyama Maru delivered—tanker Apr. 92
World Bermuda delivered—tanker Apr. 92
Impressions of the Amer. Bureau of Shipping to the next quarter century *Apr. 81
Incinerator-Multipurpose shipboard Mar. 127
Independence sold—liner *YB 207
Indicator—boom angle electronic (N) *July 70
Industrial Air & Hydraulics, Inc.:
power unit for the Zapata Concord Oct. 82H
Industrie Navali Mechaniche Affines S.p.A.:
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Inert gas reduces corrosion rates *Jan. 50
Inert-gas research *Jan. 49
Inert gas system *June 29
Inert-gas systems:
at Fort Schuyler Forum *Apr. 79
discussed (E) Feb. 114
for oil tankers/crude oil carriers *Jan. 48
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may be mandatory on tankers/carriers *Jan. 50
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prevent explosion—mainly developed to *Jan. 48
recommended by IMCO *Apr. 79
used on all Sun Oil tankers *Jan. 48
Ingalls/Litton deserve "well done" for DD-963 (E) May 138
Ingalls Pascagoula Yard:
Arthur W. Radford (DD-968) christened May Oct. 84
Spruance—DD-963-class destroyer (E) May 138; *Dec. 67
3500 jobs open (E) July 94
Ingenior F. Selmer:
Condeep production platform Sept. 80N
Inger—first cargoship powered by new turbo-diesel *Oct. 66
Inhalator/resuscitator for emergency (N) *Mar. 90
Inland Oil & Transport Company:
Lady Roberts delivered—towboat *Oct. 82L
Inland waterways:
Cook's development (E) June 110
restrictions hamper traffic on (E) Sept. 172
Insignia chart—ship stack YB 183
Institute of Marine Engineers (IME):
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Insulation panels:
Conch II design *Sept. 56
for LNGs *Sept. 54
Technigas design *Sept. 56
Insulation systems—specialized Mar. 126
Interessentskapet Essi Camilla V/Firma bj-Tuud-Pedersen:
Essi Camilla launched—bulk carrier Dec. 78
Inter-Governmental Maritime Consultative Org.:
inert gas systems for oil carriers *Jan. 50
inert gas systems recommended *Apr. 79
Interlake Steamship Company, The:
Herbert C. Jackson converted *Oct. 82D
International Chamber of Shipping:
to determine cause of explosions *Jan. 49
International Chemtank Group:
Chemical Lutetia delivered—tanker *Dec. 51
International class towing/supply ship *Jan. 36
International convention for SOLAS-60 *Dec. 47
International Loadline Convention:
and ILO regulations *Dec. 47
International Longshoremen's Association:
—CONASA—container-handling accord (E) June 110
protests higher Panama Canal costs (E) Sept. 180
to renegotiate contract rules (E) Apr. 168
International Marine/America 75 show (E) Oct. Oct. 172
International Medical Education Foundation:
Project Hope—commemorative medal (E) Oct. 168
International Offshore Services Group:
25 service vessels purchased from Feb. 54B
InInternational Ships Electrotechnic Ser. Asso.:
one-day seminar *July 35
International Union of Marine Insurance:
weak underwriting posture (E) Oct. 168
Interocean Tanker Corporation:
Southern Lion delivered—tanker June 52
Intrepid Marine Investments, Ltd.:
Nafcratis launched—tanker June 52
Ioannis Colocotronis delivered—tanker *Apr. 70; *Dec. 56
Iotron Corporation:
auto-mate modular bridge data system (N) Oct. 107
Iranian Navy:
propulsion equipment from Westinghouse May 117
Iraqi Ports Administration:
dredge for Yemen port improvement Apr. 84F
Iron Monarch—gas turbines on the *Apr. 158
Iron-powder-fill method *Mar. 33
Isabell delivered—mini tanker *Dec. 57
Ishikawajima-Harima Heavy Industries Co., Ltd.
Amazon Maru launched—ore/oil carrier Oct. 84
Andes Maru/World Bermuda—tankers Apr. 92
Andros Chryssi delivered—tanker Jan. 67
Azarpad built—tanker May 72
Crisana delivered—tanker Jan. 67
Esso Coral Gables delivered Oct. 84
Esso Tampa delivered—tanker Nov. 74
Ethnic delivered—tanker June 52
Globtik London/Globtik Tokyo—tankers *Dec. 61
Miura (LST-4151) delivered—landing ship Mar. 66
Nissei Maru delivered—biggest tanker Feb. 64, *Dec. 61
Ohtori delivered—dry cargo vessel May 72
Ojika launched—LST Nov. 74
Rio Horizonte delivered—tanker Mar. 66
Shuho Maru delivered—tanker Oct. 84
Taisho Maru delivered—tanker Aug. 50
Tokuyama Maru delivered—tanker Apr. 92
Tradewind East—Fortune-ptype vessel Oct. 84
Universe Guardian christened—tanker May 72
World Mandate delivered—tanker Aug. 50
Italcantieri:
Americana enters service *Feb. 48, *Dec. 47
Americana sistership enters service soon *Dec. 47
Oceania delivered—tanker *Dec. 62
Italian Line:
Americana enters service—cargoship *Feb. 48
new ships—a clever combo compromise *Dec. 47
Italian Navy:
keels laid for 2 of 4 frigates Feb. 64
Italy:
hydrofoil market dominated in (E) Aug. 138
hydrofoils built in (E) Aug. 138

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J.B. Keinpeter christened—towboat YB 64P
JBF Scientific Corporation:
oil-recovery systems for Navy—23 May 118
Jacking system of the Loretta *Aug. 60D
Jackson Marine Corporation:
Halliburton 218 launched—supply ship *Jan. 35
Jackup work barge's jacking system *Aug. 60D
Jana Priya launched—bulk carrier July 50
Jansen, Martin:
Cairnfreighter launched—mini-bulker Dec. 78
Cairnleader delivered—mini-bulker Oct. 84
Jantscher, Gerald R.:
bread upon the waters—federal aids to maritime industries (E) Apr. 184
Japan:
abrasive blast facility Aug. 124
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outlook grim for building vessels (E) Oct. 168
outlook grim for shipyards (E) Oct. 168
2 major hydrofoil builders (E) Aug. 138
two more VLCCs on order for Conoco Apr. 92
yds largest in world shipbuilding in '74 May 130
Japan Line, Ltd.:
Taisho Maru—to charter tanker Aug. 50
Japanese Defense Agency:
Miura (LST-4151) delivered Mar. 66
Ojika launched—LST Nov. 74
Japanese export ship contracts 1974 YB 127
Japanese owners—search for lay-up berths *YB 91
Japanese ship export market trend past 5 yrs YB 127
Japanese ship export situations 1974 YB 128
Jaramac 50 delivered—crew/supply boat *Aug. 60
Jason delivered—Super Viking towboat *Jan. 35
Jaws of a shark—U.S. barge lines in (E) Sept. 172
Jebsens (U.K.) Ltd.:
four mini-bulkers for Appeldore *Sept. 66
1 mini-bulk carrier for Park Steamship *Sept. 66
Risnes delivered—mini-bulker *Dec. 63
Rinsnes—1st of 4 mini-bulk carriers *Sept. 66
2 mini-bulkers for Turnbull Scott *Sept. 66
Jeffboat, Inc.:
D. Ray Miller delivered—towboat *Jan. 31
Harry M. Mack launched—towboat *May 62D
new welding method slashes costs *Mar. 32
Jensen (Marlow Wangen), JOrgen P.:
4th of 9 tankers launched Aug. 50
Wangli launched—motor tanker May 72
Jetfoil craft—Boeing's sale of (E) Aug. 138
Jetfoil design outgrowth of Tucumcari (E) Aug. 138
Jetfoil-1—films presented on hydrofoil July 40
Jetfoils sold by Boeing (E) Aug. 138
Jilor is first of 3 tuna seiners *YB 64F
Jilor to sail for Senegal—tuna seiner Apr. 92
Jofondor launched—tuna seiner Apr. 92
Johansson Group:
mini-tanker Isabell delivered *Dec. 57
John D. Geary in service—towboat *Apr. 84L
John Hudson Fuel & Shipping:
Hudson Cavalier launched Oct. 84
Johnson, R.E.:
damage stability requirements for tankships, chemical ships and gas ships *Nov. 64
Johnson, Ralph E.:
Vice-Admiral E.L. Cochrane award *Jan. 45
Johnson Rubber Company:
exhibits at Europort show *Jan. 55
spiral-tube outboard cooler (N) *May 90
Joint meeting hears about Valdez Terminal *Feb. 56
Joint sealant solves gasket problems (N) *Feb. 80
Jones Act exemption:
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Jones Act waiver application (E) Feb. 122
Jones-Teer:
22 tainter gate hoists from Dravo Mar. 127
Jorge, Manuel Silva:
Elizabeth C.J. launched—superseiner *Mar. 58
Juan Sebastian de Elcano—tall ship (E) May 130

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K/S Kyvi Drilling II A/S:
Dyvi Beta/Dyvi Gamma—drill rigs Jan. 58L
K/S Seaway Supply & Support Ships A/S & Co.:
Seaway Falcon—fire-fighting ship *Sept. 80D, *Dec. 66
K/S Viking Offshore A/S:
Pat Rutherford, Sr.—drilling ship *Jan. 58
Kaisho Kaiun K.K.:
Taisho Maru delivered—tanker Aug. 50
Kaldestad, Karl:
Pacific Mariner—crab boat Jan. 58H
Kaldjian, Mosves:
ferrocement reinforced steel plate *Feb. 60
Kanco Tech., Inc.:
Hotsy cleaning systems (N) Dec. 100
Karanzalis, Peter:
shipboard HVAC systems—paper on *May 68
Katori Maru delivered—cargoship Nov. 74
Kawasaki Heavy Industries' Kobe Works:
Australian Emblem delivered—RO/RO *Dec. 49
Kawasaki Heavy Industries, Ltd.:
Esso Kawasaki delivered—tanker Jan. 67
Skaubo delivered—ore/oil carrier Jan. 67
Kawasaki, Japan:
Elbe Maru delivered—ore/oil carrier Sept. 72
Esso Geneva delivered—tanker Sept. 72
Wako Maru delivered—tanker Apr. 92
Kawasaki, Kobe, Japan:
Elbe Maru christened—ore/oil carrier Nov. 74
Kawasho Corporation:
Rio Horizonte delivered—tanker Mar. 66
Keel laid—CVAN 70 Carl Vinson Nov. 74
Keene Corporation:
mini-marine discharge control system (N) *July 64
Keene Corporation, Fluid Handling Div.:
boiler condensate sentry system (N) *Nov. 86
Kelso Marine, Inc.:
Seabulk Challenger/STL 3901 delivered *Feb. 41 *Dec. 64
Kelso Shipbuilding:
STL 3901/Seabulk Challenger delivered *Dec. 64
Kenai Multina—Liberian-flag ship (E) Feb. 122
Key Houston, Inc.:
abrasive blast facility Aug. 124
key shot blasting facilities system Jan. 118
Key shot blasting facilities system Jan. 118
Khark delivered—tanker Nov. 74
Kiewit Sons Company, Peter:
graving dock construction contract May 62F
Kimball, P.B.:
shipboard gantry crane-design/performance *June 50
Kime, Cdr J.W.:
damage stability requirements for tankships, chemical ships and gas ships *Nov. 64
King Engineering Corporation:
Liqui-Seal Sensor measurement system (N) Sept. 100
King-Gage system (N) Sept. 100
Kings Point Fund, Inc.:
yacht America acquired (E) May 130
Kings Point meetings—U.M. and Oct. 163
Kirscher, John E.:
regional resistance re energy (E) Dec. 164
Kirsten Maersk, Tanker:
nozzle prop fitted in the *Dec. 58
Kistler, Ernest L.:
system development planning for multi-purpose Sea Island superport *Apr. 88
Kline, Roger, United States Steel:
operation of very large ships (E) July 94
Kockums of Sweden:
underwater rescue vehicle for Sweden *Apr. 38
Kockums Shipyard:
computers for Navy—loadmaster July 88
Sea Saint delivered in Europe—tanker *Feb. 29, *Dec. 65
Kockums Yard, Malmo, Sweden:
Sea Saint delivered—tanker *Dec. 65
Kollbris delivered—14th of 20 tankers *Dec. 59

Kollskegg delivered—tanker *Dec. 59
Kometa-class vessels—Russia's (E) Aug. 138
Kometa-M—USSR hydrofoil *Sept. 61
Kong Haakon VII—damaged by explosion *Jan. 49
Kongsberg DM 1216 drafting machine (N) *Jan. 94
Konsberg SM4 computers *Feb. 29
Kongsberg Vapenfabrikk:
drafting machine developed (N) *Jan. 94
Korea shipyards—marine equipment for Aug. 124
Kort nozzles:
for McAllister tugs *Jan. 37
Kotuku launched—products carrier Apr. 92
Krautkramer-Branson, Inc.:
D-Meter for hull thickness gauging (N) Aug. 82
Kress, Robert, ch. engineer, Mich. Wheel:
designed propeller nozzles *Dec. 74
Kriship Shipping Company, Ltd.:
Tsuru Arrow delivered—bulk carrier *Dec. 69
Krupp Atlas-Elektronik:
Atlas 2000/24 radar available (N) *June 78
radars—two 72-mile Atlas (N) *Apr. 112
Krylov Marine Engineering Research Center:
trials on ship/component models *Sept. 61
Krym-class oil tanker—Soviet *Sept. 61
Kuwait Oil Tanker Company:
Al-Andalus delivered—tanker *Dec. 44
Kuwait Shipping Company:
electrical equipment for 15 ships Aug. 124
Kwikform America, Inc.:
Dwikstage scaffold system (N) *May 88

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LC-101 automatic Loran-C receiver (N) *Jan. 90
LC-204—Loran C navigation receiver (N) Aug. 77
LCD line flame-cutting machines (N) *Mar. 84
LCNC cutting machines—Linde's *Mar. 40
LMT-1000 marine trend system—Litton's (N) *June 72
LNG carriers:
El Paso Paul Kayser—world's largest *Dec. 53
LNG-2 keel laid Jan. 67
new unique facility producing cryogenic insulation for *Sept. 54
one for Alaska/Portland service (E) Feb. 122
specialized insulation systems Mar. 126
LNG concrete barge *Nov. 66
LNG/LPG technology exhibition in Paris (E) July 94
LNG-2 keel laid—2nd of 8 LNG carriers Jan. 67
LPG/ammonia carrier launched Aug. 50
LPG/ammonia ship built by Moss Verft *Dec. 54
LPG carrier Devonshire delivered Jan. 67
LPG carrier ordered by Bibby Line—2nd Jan. 67
LPG floating storage vessel moved *July 50
LSC power supplies *Mar. 36
LSC welding—linear slope control *Mar. 36
LST Ojika launched Nov. 74
LaCerda, John:
subs help industry go deeper/further (E) Apr. 184
Lady Janice christened—pushboat Sept. 80N
Lady Roberta delivered—Viking towboat *Oct. 82L
Laing Offshore:
production platform for Burmah Thistle *Sept. 80J
2nd platform for BP Forties oilfield *Sept. 40J
Lake Charles Dredging & Towing Co., Inc.:
foaming interiors of old barges *June 47
Lakes carrier St. Clair side-launched Aug. 50
Lamb, Thomas:
Neat: New, efficient American tanker *Apr. 61
Landsburg, Alexander C.:
Vice-Admiral E.L. Cochrane award *Jan. 45
Large capacity sandblast units (N) *Jan. 92
Large floating dry docks for large whips *Jan. 60
Large hot asphalt/fuel oil barges, etc. Apr. 84T
Large specialized ships spur modern fac. *YB 195
Large, underwater swivel (N) *Sept. 94
La Santa Maria launched/chartered—VLCC OCt. 84
LASH barges for Waterman—125 more May 72
Lash barges get "false bow" *Feb. 54D
Last in series of "handy size" tankers *Dec. 54
Latest Jones Act waiver application (E) Feb. 122
Launchings:
Adna—tanker Mar. 66
Afran Odyssey—tanker May 72
Almirante Alexandrino—drydock July 50
Altano—bulk carrier Sept. 72
Amazon Maru—ore/oil carrier Oct. 84
American Eagle—superseiner Mar. 66
Ammiraglio Magnaghi—hydrographic ship Feb. 64
Arizona—2nd Maine-class RO/ROs Dec. 78
Arthur Maersk—containership Dec. 78
Beaver State—tanker Dec. 78
Bow Fortune—tanker *Dec. 50
Brigand—tug *May 62
Buccaneer—tug *Jan. 58B
Cairnfreighter—minibulker Dec. 78
Captain Cook II—mini-cruise ship *Mar. 60A
Castellblanch—bulk carrier Sept. 72
Chevalier De Gramont—supply ship *Oct. 82
Chevron Washington—tanker Mar. 66
Constitution Service—tug/supply ship Oct. 82B
Donnington—bulk carrier Oct. 84
Dwight D. Eisenhower—CVAN 69 Nov. 74
Elizabeth C.J.—superseiner *Mar. 58
Essi Camilla—bulk carrier Dec. 78
Fort Coulonge—clean-products carrier Dec. 78
Foss 343—barge *Apr. 84L
floating drydock for United Arab Oct. 84
4th of 9 tankers for J.P. Jensen Aug. 50
Golden Monarch—tanker *Mar. 66
Great Land—trailership July 50
Grenadier—tuna superseiner Sept. 72
Hallibruton 218—supply vessel *Jan. 35
Harry M. Mack—towboat May 62D
Hornet III—superseiner July 50
Hudson Cavalier—products carrier Oct. 84
Inaqua Surf—loading landing ship *Nov. 62B
Jana Priya—bulk carrier July 50
Jofondor—tuna seiner Apr. 92
Kotuku—products carrier Apr. 92
LPG/ammonia carrier Aug. 50
La Santa Maria—VLCC Oct. 84
Leon—B26 bulk carrier Oct. 84
Linga—tanker Mar. 66
Lok Vivek—cargoship Sept. 72
Leon—B26 series bulk carrier Aug. 50
Lucellum/Lucerna—tankers July 50
Maasbracht—VLCC Oct. 84
Maine—in May '75—ro/ro ship Feb. 64; June 52
Martha—bulk carrier Feb. 64
merchant vessels in U.S. during 1974 YB 79
Mormacstar—tanker July 50
Mycene—tanker June 52
Nafcratis—tanker June 52
Newbuilding 1217—tanker Feb. 64
Niomre—tuna seiner Nov. 74
Nissei Maru—tanker Feb. 64
Nordic Commander bow section—tanker Nov. 74
offshore supply ship for China National Jan. 67
1 tanker for Norweigan owner May 72
Ojika—LST Nov. 74
Oriental Statesman—containership May 72
PAC-270—prototype cargo barge *June 66D
Peterson—DD-969 July 50
Privateer—tug *Jan. 58B
Products carrier Zapata Patrict Feb. 64
Roanoke (AOR-7) replenishment oiler Jan. 67
Russ Mobley—towboat *Oct. 80
Rusty Flowers—towboat **Dec. 74B
Ruth—bulk carrier Feb. 64
St. Clair—lakes carrier Aug. 50
Sam Laud—ore carrier Jan. 67
Sea Brute—tug-supply boat July 46F
Shenandoah—drilling platform *Sept. 78
Sir Francis Drake—supply ship *June 64
Sir Richard Hawkins—boat YB 64N
Star Sirius—supply vessel June 52
Vassilike Colocotronis—ULCC *Apr. 70
Wangli—motor tanker May 72
Worth—San Clemente-class tanker Sept. 72
Zapata Ranger—products carrier June 52
Zapata Rover—tanker Dec. 78
Laurence Company, R.G.:
Fire-Cide shutoff valves (N) *Nov. 94
Lawrence Pagano, Capt.:
seafaring award to (E) June 102
Leadership/service certificate awards *Jan. 45
Lee, Charles:
Navy 2000-ton surface effect ship program *June 50
Lenin—USSR experimental icebreaker *Sept. 61
Leon Corporation:
Leon launched—B26 bulk carrier Aug. 50; Oct. 84
Leon launched—B26 bulk carrier Aug. 50; Oct. 84
Leslie Co.:
actuators—2 powerful valve (N) Aug. 82
Let's go northwest—SNAME (E) Mar. 152
Letters of intent—gas-turbine units/elec. generation plants July 88
Level controls—new electronic (N) July 68
Liberian Ermine Transport, Inc.:
World Mandate delivered—tanker Aug. 50
Liberian flag—two ships fly the (E) Feb. 122
Liberian Peony Transports, Inc.:
World Nisseki delivered—tanker Feb. 64
Liberian Titan Transports, Inc.:
World Eminence delivered—tanker Dec. 78
Libertad—tall ship (E) May 130
Life Guard—constant-current welder (N) *July 64
Life/Safety/Health Div., Lear-Siegler Inc.:
Ear-Com—ear-to-ear communication (N) *July 66
Liftex Paraweb slings (N) *Feb. 88
Liftex Slings, Inc.:
disposable slings cut handling cost (N) *Feb. 88
Lightning—offshore supply ship *Jan. 36
Limatula delivered—tanker Jan. 67
Linde Div. of Union Carbide Corp.:
one-side welding projects Mar. 140
Linde's Advanced Systems Group:
CM-200—new cutting machine *Mar. 41
cutting machines—new shpae· *Mar. 40
Lindholm—new towboat *Sept. 80P
Linear slope control (LSC) welding *Mar. 36
Linga launched—tanker Mar. 66
Liquefied natural gas (see LNG) (E) Feb. 122
Liquefied natural gas carriers (see LNGs)
Liquid Carbonic Corporation:
flame-cutting machines, et al (N) *Mar. 84
Liqui-Seal Sensor measurement system (N) Sept. 100
Lisa Shipping Inc.:
Lissa delivered—tanker Apr. 92
Lissa delivered—tanker Apr. 92
Little Rock delivered—towboat *Jan. 36
Litton Industries, Inc.:
deserves "well done" for DD-963 (E) May 138
LMT-1000 marine trend system (N) *June 72
monitoring system—computerized (N) *June 72
Spruance—DD-963-class destroyer (E) May 138, *Dec. 67
Lloyd's Register of Shipping:
U.K. fifth in world's league of tonnage May 130
Loading capabilities of different values of cargo specific gravity and API gravity *Apr. 64
Loading/mooring system—deep-sea *Apr. 84B
Lockheed Missiles & Space Company:
DSRV-1/DSRV-2—submergence rescue ships *Apr. 38
Lockheed Shipbuilding & Construction Co.:
asir separation plants ordered Aug. 124
Plainview (AGEH-1) designs Aug. 138
USCG Polar Star construction problems *Mar. 61
Lok Vivek launched—cargoship Sept. 72
Long, Gillis W., Rep.:
shock waves from user charges (E) Nov. 148
Looking ahead 25 years (E) Feb. 114
Loran C navigation receiver (N) Aug. 77
Loran-C receiver—LC-101 automatic (N) *Jan. 90
Loretta—jackup workbarge *Aug. 60D
Louisiana Department of Highways:
2 ferryboats ordered from Equitable Nov. 62B
Low-maintenance transmission introduced (N) *Dec. 92
Lubricants—bearing *July 23
Lubricants brought improvements—better *July 23
Lubricants—introduction of petroleum *July 23
Lubricants—selection of *July 25
Lubricants—synthetic *July 30
Lubricating oils—characteristics of *July 24
Lubrication—cylinder *July 24
Lubrication procedures *July 23
Lubrication—that thin, vital film *July 23
Lucander, Nils:
gave advice on propeller nozzles *Dec. 74
Lucellum/Lucerna christened/launched July 50
Lucien—gas turbines on the *Apr. 158
Lumb Woodworking Company:
1 of 3 firms that formed Cryogenic *Sept. 54
Lurline in 1st roro service (E) Apr. 168

Luxury cruise liners built by B&W *Dec. 52
Lykes Bros. Steamship Company, Inc.:
answers critics of Seabee deal (E) Nov. 156
granted Seabee patents (E) Jan. 132
licensed Soviets to use Seabee science (E) Nov. 156
3 Seabeas ordered from General Dynamics Nov. 156
two new routes launched (E) Apr. 168
Lykes Great Lakes Line:
new route launched (E) Apr. 168

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M&G Maritime Services Pte Ltd.:
Asean Pioneer in service—mini-bulker *Dec. 48
MARISAT services/equipment from Magnavox Aug. 124
MARISAT systems *Nov. 57
MH30—1st large Japanese hydrofoil (E) Aug. 138
M.K. Products, Inc.:
Sidewinder—automatic welder (N) *Aug. 68
MSA's respirator protects workers (N) *Sept. 100
MTS/IEEE first combined annual meeting *Nov. 52
MTS (Marine Technology Society):
IEEE/MTS first combined meeting *Nov. 52
MTS Systems Corporation:
3 independent wavemaker systems Feb. 107
Maasbracht launched/chartered—VLCC Oct. 84
Maastrichtse Machinefabriek Delnoz B.V.:
platform—new elevated working (N) *Aug. 68
MacGregor-Comarain, Inc.:
'tween deck for barges announced (N) *June 77
MacGregor do Brasil:
access equipment for Brazil's 82 ships Sept. 166
equipment for 6 Messageries' liners Sept. 166
hatch covers for 25 Argentine ships Sept. 166
Mactra damaged by an explosion *Jan. 49
Maersk Line:
Blohn & Voss building 6 ships for *Dec. 45
Flender Werft building 3 ships for *Dec. 45
gets first containership *Dec. 45
Magnavox Company:
MARISAT services and equipment Aug. 124
Magnetrol International:
new electronic level controls (N) July 68
Magnuson (D-WN), Sen. Warren G.:
Admiral of Ocean Seas (AOTOS) award (E) Sept. 172
Main Iron Works, Inc.:
Marjorie B. McAllister delivered—tug *Jan. 37
Maine launched—roll-on/off ship June 52
Maine to be launched in May—ro/ro ship Feb. 64
Maintenance/repair system to Pyramid Aug. 124
Maj. Shipyard:
keel laid for dry cargo carrier Nov. 74
Majestic Tanker Corporation:
80,298-dwt tanker ordered Sept. 72
Major shipbldg. contracts US with CDS YB 224
Major shipbldg contracts US without CDS YB 224
Major ships over 1000 gt in US yds—88 *YB 9
Management planning/control tools Feb. 36
Mangone Shipbuilding Company:
1st of 4 tug-supply ships to Fred Olsen Feb. 54B
PSI/Liaaen c-p propellers for 3 tugs July 88
Sea Bruse/Sea Bure delivered July 46F
Sea Brute launched—1st tug-supply boat July 46F
Tender Trigger—offshore supply ship *Jan. 38
Tender Trumpet—offshore supply ship *Jan. 38
Mantinia delivered—tanker Nov. 74
Manzolillo, Jaime L.:
designs for five trawlers *Feb. 52
Maps—radiofacsimile weather *Nov. 56
MarAd (see Maritime Administration)
Marathon LeTourneau Company:
Penrod 71 delivered—drilling rig *Mar. 56
Penrod 72/Penrod 75 to be delivered *Mar. 56
Marathon LeTourneau, Gulf Marine Div.:
built 3 drill rigs—1 more being built *Sept. 78
Shenandoah launched—drilling platform *Sept. 78
Marathon LeTourneau Offshore Company:
semisubmersible drilling rig designs *Apr. 84N
Marathon Manufacturing Company:
MiniSemi—new drilling rig *Apr. 84N
Marathon Oil Company:
LNG from Alaska to U.S. ports (E) Feb. 122
Marathon Shipbuilding Company:
Tallahatchie delivered—towboat *Jan. 58B
Marco-built crab boat for combo trawler Jan. 58H
Marco-built crab boat North American *YB 64A
Marco oil recovery filterbelt Mar. 128
Marconi Marine:
communication equip./radar for Ocean Jan. 118
Margaret D delivered—towboat *Mar. 60D
Margaret O. christened—towboat *Apr. 84N
Margate Shipping Company:
Chelsea delivered—Coronado class tanker Apr. 92
Marietta delivered—tanker Mar. 66
Marina Italiana:
Ammiraglio Magnaghi launched Feb. 64
Marine automation/valve control systems *Jan. 48
Marine Builders, Inc.:
Russ Mobley launched—towboat *Oct. 80
Marine Concrete Structures, Inc.:
concrete drydock built in 4 months *July 46A
Marine Construction & Design Co. (Marco):
deepwater trawling winches for trawlers July 88
North American—crab boat *YB 64A
Pacific Mariner christened—crab boat Jan. 58H
24 oil spill recovery vessels for Navy Mar. 128
Viking—trawler/crab fishing boat *May 62
Marine Engineering/Log:
merchant ships 1000 gt/over world yards YB 128
shipbldg projects pending 5/1/75 YB 10
statement of ownership Nov. 126
Marine equipment for Korea shipyards Aug. 124
Marine fenders—Sea Cushion (N) *July 73
Marine Industries:
2 ice-strengthened tankers Nov. 74
Marine Insurance at SNAME (L.A.) *May 66
Marine Mart, Inc.:
I.D. nozzles—to product *Dec. 74
propeller nozzles—to provide *Dec. 74
Marine parade (E) May 130
Marine reheat steam turbine power plant Aug. 124
Marine Sanctuary—nation's first (E) (E) Feb. 114
Marine structure—36,000-ton May 118
Marine Technology Society (MTS):
first combined meeting with IEEE *Nov. 52
Valdez Terminal described at LA meeting *Feb. 56
Marine terminal:
keel laid for PEMEX Mar. 66
offshore Mar. 66
Marinette Marine Corporation:
CM-100 cutting machine installed—1st *Mar. 40
Marino Systems, Inc.:
semi-bulk containers designed (N) *Sept. 98
Marisat communication equip./consoles Jan. 118
MARISAT navigational data transmission Aug. 124
Maritime Administration:
a national symposium (E) Apr. 168
feasibility of nuclear icebreaking ship *Mar. 62
$5 mil. 5 yrs annually to upgrade fleet (E) July 102
H.S. Denison—hydrofoil (E) Aug. 138
Lykes answers critics of Seabee deal (E) Nov. 156
nuclear mar. propulsion plant—60,000-shp/100,000-shp *Apr. 79
recent development in shipyd welding Mar. 139
research/development contracts Aug. 124
71 merchant ships sold for scrap 1974 YB 208
3 Seabees ordered from General Dynamics Nov. 156
20 ships sold for nontransportation YB 208
Maritime College:
forum "crystal balls" next 25 years *Apr. 79
Marine Construction Div. of Zidell:
PAC-270 launched—cargo barge *June 66D
Marine engineering in next quarter century *Apr. 79
Maritime Administration:
award criteria/info available from (E) June 102
Maritime Day Festivities:
held aboard Empire State V. (E) June 102
Maritime Overseas Corporation Group:
Southern Lion delivered—tanker June 52
Maritime Transportation Research Board:
shipboard environment (E) Aug. 130
Marjorie B. McAllister delivered—tug *Jan. 37
Mark III inhalator/resuscitator (N) *Mar. 90
Marlin Drilling Company:
Marlin No. 7 commissioned—drill ship *Nov. 62H
Marlin No. 7 commissioned—drill ship *Nov. 62H
Marpressa lost to an explosion—Shell's *Jan. 49
Martha launched—bulk carrier Feb. 64
Martha Theriot delivered—tugboat *Feb. 54
Martin-Decker Company:
Indicator—boom angle electronic (N) *July 70
Martin Jansen Werft, West Germany:
Seaway Falcon—fire-fighting ship *Sept. 80D, *Dec. 66
Martin K. Eby Construction Company:
Little Rock delivered to—towboat *Jan. 36
Martin Marietta Corporation:
Filter belt developed—Marco Mar. 128
foaming interiors of old barges *June 47
Mary M. Coppedge delivered—tug *YB 64B
Maryland Shipbuilding & Dry Dock Company:
H.S. Victoria—hydrofoil (E) Aug. 138
9 large abrasive blast facilities Aug. 124
Massachusetts delivered—VLCC *Dec. 60
Massachusetts floated—tanker *Feb. 64
Massachusetts—largest MV built in U.S. *June 27
Matson Navigation Company:
Lurline launches 1st roro service (E) Apr. 168
Matthew Hall Engineering Ltd.:
gas-turbine units/generation plants July 88
Matzer & Associates, Rudolph F.:
Inagua Surf designs—loading/landing ship *Nov. 62B
Mawddy Tide launched—supply vessel *Mar. 60D
Maxon Marine Industries, Inc.:
1st of 2 rock barges delivered YB 64N
single point mooring (SPM) buoy *Nov. 62B
McAllister Brothers, Inc.:
Marjorie B. McAllister delivered—tug *Jan. 37
two more tugs to be built for *Jan. 37
McAllister tug has elevating pilot house *Jan. 37
McDermott Shipyard:
Ranger—offshore support vessel *Jan. 37
McGinnes Manufacturing Company, Inc.:
hydraulic clamshell bucket (N) *Sept. 98
McM VI delivered—66-ft pushboat *YB 64B
McMenamy Construction Company:
McM VI delivered—66-ft pushboat *YB 64B
McNamara, Robert:
Seabee system—not interested in (E) Nov. 1
Mechanical/electrical systems for Concrete May 118
Medal for Project HOPE (E) Oct. 168
Meeting—IEEE/MST first combined *Nov. 52
Meetings—U-M, Kings Point Oct. 163
Melete christened—bulk carrier June 52
Merchant fleet:
of Soviet Union 100 gt/over 1/1/75 YB 94
Merchant fleets of the world 12/31/74 YB 92
Merchant Marine Act of 1970:
offers shipbuilding industry a challenge Mar. 139
U.S. shipbuilding outlook (E) *YB 7
Merchant Mar. Meritorious Service Medal:
to vessels' captains (E) June 102
Merchant Mar.—trends that have impact on *Apr. 80
Merchant Marine—U.S.:
6 recommendations for adequate (E) July 102
Merchant vessels:
comparative summary postwar—sold for scrap YB 210
Massachusetts—largest built in U.S. *June 27
miscellaneous built 1974 in U.S. yds YB 82
no./tonnage over 2000 gt built U.S. '74 YB 76
no./tonnage over 2000 gt in U.S. since 1914 YB 78
1000 gt/over trans. foreign 1974 *YB 207
over 2000 gt launched in U.S. in 1974 YB 79
regional production in U.S. 1974 compared YB 81
71 sold by MarAd for scrap—in 1974 YB 208
sold for scrap during 1974 YB 208
steel, 2000 gt/over built 1974 U.S. yds YB 80

20 sold for nontransportation by MarAd YB 208
27 delivered by U.S. in 1974 May 130
types self-propelled over 100 gt in U.S. YB 77
world shipyds—1000 gt/over 4/1/75 YB 128
Merchants & Miners Transport Inc.:
River Princess delivered—ore carrier Sept. 72
Mercury delivered—tanker *Dec. 59
Mermaid II—submersible *Apr. 41
MESA approves respirator (N) *Sept. 100
Messageries Maritimes:
MacGregor equipment for 6 liners Sept. 166
Metal-cutting torch (N) Nov. 100
Metal-powder fill *Mar. 32
Meter—vibration (N) *Sept. 104
Methane Pioneer converted 1959—C1-N-AV1 *Sept. 54
Methanol mode of transporting LNG YB 249
Metric introduced by U.S. Steel (E) June 102
Metropolitan Ocean Carriers Corp.:
Mantinia delivered—tanker Nov. 74
Metula—Shell tells all on the grounding of *Apr. 54
Meyer, P.:
tanker order converted to 3 bulk carriers *Nov. 31
Miaulis Shipping Enterprises of Aegis:
Aegis Dynamic—multi-purpose ship Apr. 92
Michigan bow in the PAC-270 *June 66D
Micro Instrument Company:
Omega navigation receiver—low-cost (N) *Feb. 82
Mid American Terminal:
R.F. Meek delivered to—towboat *Sept. 78
Midland Enterprises, Inc.:
John D. Geary in service—towboat *Apr. 84L
MIG guns—flexible barrel for (N) May 92
Milano, Vito R.:
Captain Joseph H. Linnard prize to *Jan. 45
Mil-Tide delivered—supply ship *Sept. 80
Mine Safety Appliances Company (MSA):
respirator—paint spray (N) *Sept. 100
Mini-bulk carriers—7 ordered *Sept. 66
Mini-bulker Asean Pioneer in service *Dec. 48
Mini-bulker Cairnleader delivered Oct. 84
Minibulker Cairnfrieghter launched Dec. 78
Mini-bulker can carry variety of cargoes *Dec. 63
Mini-bulker in worldwide trade *Sept. 66
Mini-bulkers from Singapore—1st of 4 *Dec. 48
Mini-cruise ship Captain Cook II *Mar. 60A
Mini-landbridge system:
ILA protests container rules under (E) Apr. 168
MiniSemi—new drilling rig *Apr. 84N
Mini-tanker can carry six products *Dec. 57
Miscellaneous mer. ships 100/2000 gt built U.S. yds in 1974 YB 82
Mission oriented destroyers (E) May 138
Missouri Portland Cement Company:
1st of 2 rock barges delivered to YB 64N
Mr. Creig—new crewboat *Apr. 82
Mr. Snook—new crewboat *Apr. 82
Mitsubishi Heavy Industries Co., Ltd.:
a major hydrofoil builder in Japan (E) Aug. 138
outlook grim for shipyards (E) Oct. 168
Mitsui Shipbuilding:
Discoverer 534 delivered—drillship Nov. 74
Mitsui Shipbuilding & Engineering Co., Ltd.:
Tsuru Arrow delivered—bulk carrier *Dec. 69
Miura (LST-4151) delivered Mar. 66
Moana Wave—research ship *Jan. 34
Mobil Exploration Norway, Inc.:
gas-turbine units/generation plants July 88
Mobil/Statoil Group:
integrated deck for Condeep platform July 88
Model 601—air-powered torque tool (N) Nov. 90
Modern Terminals Ltd.:
container terminal built at Kwai Chung *July 37
Modular air compressor (N) *Jan. 90
Modular crane for offshore rigs (N) Oct. 110
Modular Systems, Div. of Warren Pumps:
combustion-control systems for Navy Nov. 136
Mogul Line Ltd:
Jane Priya launched—bulk carrier July 50
Lok Vivek launched—cargoship Sept. 72
Moller, A.P.:
Albert Maersk delivered—containership Dec. 78
Arthur Maersk launched—containership Dec. 78
Maersk ship designs *Dec. 45
Moller Company, A.P.:
2 ships on order Mar. 66
Moller's Maersk Line, A.P.:
Adrien Maersk—containership *Dec. 45
MonArk Boat Company:
workboat shipped—all-aluminum YB 64P
Monitor a monument—gunboat (E) Feb. 114
Monitoring insturments:
Edmont-Wilson oxygen analyzing and (N) Mar. 88
Monitoring system—computerized (N) *June 72
Monthly Japanese ship export situations 1974 YB 128
Moonlight Shipping Company:
Ethnic delivered—tanker June 52
Moore-McCormack Bulk Transport, Inc.:
Coronado-class tanker—keel laid for 1 Jan. 67
Mormacstar launched—tanker July 50
navigational data transmission—MARISAT Aug. 124
Mooring (SALM) terminal system Feb. 107
Mormacstar launched—tanker July 50
Morton (DD-948)—Forrest Sherman class (E) May 138
Moss-Rosenberg Yard:
LPG/ammonia carrier launched Aug. 50
Moss Verft:
Garbeta delivered—ammonia carrier *Dec. 54
Mostert, Noel:
Supership published—book (E) Dec. 164
Motors—Duty Master a-c (N) *Dec. 96
Multi-mission destroyers from Ingalls/Litton *Dec. 67
Multi-purpose ship Aegis Dynamic Apr. 92
Murphy, T.H.:
preheating gives better welds *Mar. 48
Murray & Tregurtha:
Harbormaster units power barges *Nov. 58
Mycene launched—tanker June 52
Mycene Shipping Company:
Mycene launched—tanker June 52

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Nafcratis launched—tanker June 52
Naikai Zosen:
Venus delivered—car/passenger ferry Nov. 74
Namura Shipbuilding:
Pacduchess delivered—bulk carrier Nov. 74
Nashville Bridge Company:
Ray A. Eckstein built in 1974—towboat Jan. 39
Vince Tranchita—towboat *Jan. 39
National Academy of Sciences:
shipboard environment (E) Aug. 130
National Iranian Tanker Company:
Azarpad built May 72
Kkark delivered—tanker Nov. 74
National Oil Compensation Fund:
ASIMS urges passage oil spill legislation (E) Dec. 172
National Safety Council:
new divisions for (E) Jan. 132
safety efforts by maritime companies honored by award Nov. 64
National Steel Corporation:
centralized automation systems for ships Sept. 166
National Steel & Shipbuilding Company:
Beaver State launched—tanker Dec. 78
CM-100/LCNC control cutting machine *Mar. 4 41
Chelsea delivered—Coronado class tanker Apr. 92
Coronado-class tanker keel laid Jan. 67
Golden Endeavor delivered—tanker Jan. 67
Golden Monarch delivered—tanker Aug. 50
Golden Monarch launched—tanker *Mar. 66
Mormacstar launched—tanker July 50
Roanoke (AOR-7) launched—rep. oiler Jan. 67
Rose City keel laid—tanker June 52
3 more San Clemente-class tankers Aug. 50
2 Catalina class tankers for Atlantic *Mar. 66
Worth launched—tanker Sept. 72
Nautical Marine:
C/Dominator delivered—crew/supply boat *Jan. 30
oil-recovery systems from JBF 23 May 118
oil-water separator systems—18 Sept. 166
Oldendorf (DD-972) christened—destroyer Dec. 78
Parsons (DD-949)—destroyer (E) May 138
Patrol Frigate—switchboards/panels for Mar. 126
Pegasus (PHM-1)—prototype (E) Aug. 138
Peterson launched—DD-969 July 50
Plainview (AGEH-1) designs to (E) Aug. 138
reserve fleet—291 ships cut from *YB 68
Roanoke (AOR-7) launched—rep. oiler Jan. 67
Rohr advanced development work on SES Mar. 128
Rohr to support/test/evaluate SES-100A Mar. 127
SES design—progress in *Jan. 60
shipbuilding *YB 67
shipbldg contracts in existence 4/1/75 YB 70
ships completed April '74—April '75 *YB 69
shipyard crane ordered Sept. 166
Spruance commissioned—DD-963 class Oct. 84 *Dec. 67
Spruance (DD-963)—new destroyer May 38; (E) May 138 *Dec. 67
testing feasibility of "100-knot" *Aug. 47
24 oil spill recovery vessels ordered Mar. 128
2000-ton surface effect ship program *June 50
U.S.—no longer "second to none" *YB 67
waterjet propulsion system for the SES Feb. 107
NAVAIDS:
computer-integrated navigation systems June 43
Decca—accurate out to 240 miles June 42
Decca navigator receiver June 41
electronic navigation aids June 37
Loran A—the original system June 38
Loran A—the original system June 38
Loran A and C receivers June 39
Loran C chosen for U.S. coastal waters June 39
Loran systems in use of 2 basic kinds June 38
Omega receivers June 41
Omega system will cover the globe June 41
Satellite navigation systems June 43
Satellite system most accurate of all June 43
Naval Air Systems Command:
cost reduction engineering tests, etc. Sept. 166
Naval Architecture & Marine Alumni of U-M:
annual dinner Oct. 163
Naval Electronic Systems Command:
oceanographic research by Simplex Jan. 118
Naval Ship Systems Command:
Gyre/Moana Wave—research ships *Jan. 34
incinerator—multipupose shipboard Mar. 127
Tracor sonar systems for SSBN subs Nov. 136
24 oil spill recovery vessels ordered Mar. 128
Naviera del Noroeste S.A.:
Banda Azul delivered—containership Dec. 78
Naviera Industriel S.A.:
superseiner for July 50
Navigation systems (see NAVAIDS) *June 37
Navigational data transmission—MARISAT Aug. 124
Navimpex-Galati:
Crisana delivered—tanker Jan. 67
Navire Cargo Gear (SF):
150-ton angled stern ramp contract Jan. 118
NAVSECPHILADIV:
NAVSECPHILADIV:
combustion-control systems ordered Nov. 136
Navy:
AN/BRD-7 direction-finding systems July 88
AN/SSQ-72 shipboard receiving systems Feb. 107
air separation pltnts for sub tenders Aug. 124
Arthur W. Radford (DD-968) christened May 72
Bainbridge (DD-1) commissioned (E) May 138
Caron christened—DD-970 destroyer Sept. 72
combat systems switchboards orderede Nov. 136

CVAN 70 Carl Vinson keel laid Nov. 74
David R. Ray christened—DD-971 Oct. 84
declines to bid on Seabees (E) Nov. 156
Dwight D. Eisenhower launched—CVAN 69 Nov. 74
FY 76—budget includes 23 new ships *YB 68
501 ships for FY75 drops to 490 FY76 *YB 68
Flagstaff (PGH-1) designs to (E) Aug. 138
Forrest Sherman class destroyers (E) May 138
Glenard P. Lipscomb commissioned—sub Jan. 67
Gyre/Moana Wave—research ships *Jan. 34
High Point (PCH-1) designs to (E) Aug. 138
hydrofoil sponsored/funded by (E) Aug. 138
inert gas research *Jan. 49
invited to charter/build Seabees (E) Nov. 156
Jetfoil design Tucumcari outgrowth (E) Aug. 138
loadmaster computers ordered July 88
Lykes answers critics of Seabee deal (E) Nov. 156
Niomre launched—tuna seiner Nov. 74
oil-recovery systems from JBF—23 May 118
oil-water separator systems—18 Sept. 166
Oldendorf (DD-972) christened—destroyer Dec. 78
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Rohr to support/test/evaluate SES-100A Mar. 127
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2000-ton surface effect ship program *June 50
U.S.—no longer "second to none" *YB 67
waterjet propulsion system for the SES Feb. 107

NAVSEC:
incinerator—multipurpose shipboard Mar. 127
NC cutting machines—Linde's *Mar. 40
950-kw generator introduced by Demco (N)
950-kw generator introduced by Demco (N) *Sept. 104
NIOSH approves respirator (N) *Sept. 100
NIOSH standards (N) *Mar. 90
NV Appingedammer Bronsmotorenfabriek:
1 of 2 firms that developed Turbodiesels *Oct. 66
NWC' Cook—water a valuable raw material (E) June 110
Neat: New efficient American tanker *Apr. 61
Neat 50, Neat 90 & Neat 170—tankers *Apr. 62
Neptune Emerald delivered Oct. 84
Neptune Maritime Company:
Melete christened—bulk carrier June 52
Neptune Orient Lines Ltd.:
Neptune Emerald delivered Oct. 84
Netherlands Shipbuilders Assoc. (CEBOSINE):
West German shipbuilding figures *Nov. 29
Netherlands Shipping Union:
computerized electronics system Aug. 124
Netherlands Shipping Union Group:
Maasbracht launched—VLCC Oct. 84
Neva built—container/vehicle carrier Oct. 84
New bearings—self-lubricating Aug. 60F
New BWC system protects boilers (N) *Aug. 76
New class of towboats—low operating costs *May 60
New concept in pipe alignment (N) June 77
New concept in welding key to lower costs *Mar. 36
New crewboats by Swiftships *Apr. 82
New divisions for NSC (E) Jan. 132
New drill rig buoy reduces hazards YB64L
New drilling rig designed, etc. *Apr. 84N
New electronic level controls (N) July 68
New elevated platform (N) *Aug. 68
New England Fish Company:
Pacific Mariner—crab boat Jan. 58H
New England LNG, Inc.:
Jones Act waiver application (E) Feb. 122
New flame-cutting machines (N) *Mar. 84
New instrument introduced for gauging (N) Aug. 82
New joint sealant solves problems (N) *Feb. 80
New liquid level measurement systems (N) Sept. 100
New look at fleet management to increase profits Feb. 34
New model industrial incinerating toilet (N) *Nov. 100
New Orleans Propeller Club meeting (E) Sept. 172
New process makes asbestos cloth clean (N) Mar. 94
New product designed to remove saline (N) Sept. 94
New 70-ft pushboat christened Sept. 80N
New Shell oil for diesel engines (N) Oct. 102
New standard-design tug is versatile *Apr. 84
New Steermaster bow steering system YB 64D
New system cuts operating costs of steam power plants (N) *June 72
New system provides 24-hr oil-spill watch (N) June 74
New towboat delivered to UMTC *Oct. 76
New towboat for Twin City *Sept. 80P
New 2500-hp, single-stage turbine (N) July 72
New unique facility producing cryogenic insulation for LNG tankers *Sept. 54
New valves have innovative design features
New waterways plants total 131 Oct. 82F
New York—pilot boat:
experts discuss propeller noise of *May 66
New York Yacht Club:
solid silver cup deeded to May 130
Newbuilding 1217 launched—tanker Feb. 64
Newly designed high seas support ship June 66
Nelson Electric Div. (Sola Basic Industries):
combat systems switchboards for Navy Nov. 136
design/build dis. switchboards/panels Mar. Mar. 126
Newport News Shipbuilding & Dry Dock Co.:
cargo sections for 3 tankers Jan. 118
centralized control systems ordered Sept. 166
covered lifeboat on new LNGs (N) *Feb. 80
CVAN 69 Dwight D. Eisenhower launched Nov. 74
CVAN 70 Carl Vinson keel laid Nov. 74
new whiteprinters cut paper costs (N) *Apr. 108
Technigaz design insulation panels *Sept. 56
Newport News, Va.:
abrasive blast facility Aug. 124
Nicholas G. Papalios built *Dec. 61
Nickum & Spaulding Associates, Inc.:
to design two 475-ft ferries *Nov. 60
Nikreis Maritime (Cayman) Co., Ltd.:
Groznyy delivered—products carrier Aug. 50
Nimitz-class nuclear supercarrier Nov. 74
1974 a record year for world shipbldg *YB 125
1974 a record year; future looks grim *YB 125
1920 Merchant Marine (Jones) Act.:
Phillips/Marathon application (E) Feb. 122
Niomre launched—tuna seiner Nov. 74
Nippon Kisen Company, Ltd.:
Hoan Maru delivered—bulk carrier Nov. 74
Nippon Kokan K.K.:
Marietta delivered—tanker Mar. 66
Nafcratis launched—tanker June 52
World Eminence delivered—tanker Dec. 78
Nippon Suisan Kaisha, Ltd.:
Amazon Maru launched Oct. 84
Nirex distillers supply fresh water (N) Apr. 112
Nissei Maru delivered—biggest tanker Feb. 64, *Dec. 61
Nissei Maru—tanker Feb. 64; *Dec. 61
Nodell, William R.:
Polar Sea/Polar Star paper *Mar. 61
NOHAB Diesel of Sweden:
orders for more than 100 type F engines Mar. 128
Nohturfft, Hermann:
named president of Amerpol (E) Mar. 152
Noise—biggest problem in yards *Mar. 31
Non-propelled craft 400 gt/over US '74 YB 224
Non-return equipment mandatory *Jan. 52
Nordic Commander bow section launched Nov. 74
Nor-Shipping show attains high standard *July 34
North American—crab boat *YB 64A
Northbridge Yacht Service Pty., Ltd.:
Captain Cook II outfitting—mini-cruise **Mar. 60A
Northern Offshore Limited:
Northern Worker delivered—supply boat *Apr. 84
Northern worker delivered—supply boat *Apr. 84
Norway:
Condeep production platform for Shell U.K. Sept. 80N
Soviet exporting hydrofoils/cargoships *Sept. 61
Norwegian ships—38 in lay-up *YB 91
Northwest Hydrofoil Lines:
H.S. Victoria—hydrofoil (E) Aug. 138
Northwest Shipping Corporation:
Rose City keel laid—tanker June 52
Norway—abrasive blast facility Aug. 124
Norwegian owners:
Belfri delivered—tanker May 72
1 tanker launched for May 72
Norwegian owners D/S A/S Idaho:
Newbuilding 1217—tanker Feb. 64
Nova Scotia Refining Company Ltd.:
Strait of Canso chartered—tanker Dec. 78
Nozzles cut fuel costs—propeller *Dec. 74
Nozzles—Marine Mart to produce *Dec. 74
Nuclear Mar. propulsion plant—60,000-shp/100,000-shp *Apr. 79
Nuclear power plants—shore-based *Apr. 158
Nuclear-powered ships:
Carl Vinson keel laid—CVAN 70 Nov. 74
Dwight D. Eisenhower launched—CVAN 69 Nov. 74
Nuclear propulsion plant—100,000-shp *Apr. 79
No./tonnage merchant ships over 2000 gt in U.S. since 1914 YB 78
No./tonnage merchant ships 2000 gt/over built 1974 each U.S. yard YB 76
Numerical control of high-speed cutting *Mar. 40

O

ODS (see operating-differential subsidies)
OPEC nations:
Soviet exporting hydrofoils/cargoships *Sept. 60
OY Pulpships AB of Helsinki:
Forano delivered—bulk carrier Sept. 72
Ocean Builder 1 (ex-Santos) converted *Dec. 62
Ocean Builder 1 (ex-Santos) renamed *Dec. 62
Ocean engineering theme of joint meeting *June 50
Ocean Oil Weekly Report:
Japan's outlook grim for shipyards (E) Oct. 168
Ocean Seas (AOTOS) award to Magnuson (E) Sept. 172
Ocean 75:
IEEE/MST first combined meeting *Nov. 52
Ocean Transport & Trading, Ltd.:
communication equip./radar ordered Jan. 118
Oceangoing US fleet 2000 gt/over 1/1/75 YB 97
Oceania delivered—tanker *Dec. 62
Oceanic contractors, Inc.:
Jaramac 50—crew/supply boat *Aug. 60
Oceanic Engineering Council:
IEEE/MTS first combined meeting *Nov. 52
Oceanographic research contract to Simplex Jan. 118

Oceanographic research ship for Navy *Jan. 34
Oceanographic systems:
exhibition of many types of *Nov. 52
Odd Bergs Tankrederi A/S:
Kollbris delivered—tanker *Dec. 59
Kollskegg delivered—tanker *Dec. 59
Odense Staalskibsvaerft A/S:
Maersk tanker biggest with nozzle prop *Dec. 58
Odense Steel Shipyard, Ltd.:
Limatula delivered—tanker Jan. 67
Odner, Sture:
note of optimism in tanker shipping (E) Nov. 148
Official views differ on value of USMM (E) July 102
Offshore Devices, Inc.:
barriers for oil spill control (N) Apr. 114
Offshore Logistics, Inc.:
Lightning—offshore supply ship *Jan. 36
Ranger—offshore support vessel *Jan. 37
Offshore Marine Division:
Robert K. Alario to chair division (E) Jan. 132
Offshore ship for China National Jan. 67
Offshore supply vessels:
Star Sirius launched June 52
Tender Trigger/Tender Trumpet *Jan. 38
Offshore support vessel Ranger *Jan. 37
Offshore Technology Conference:
8th annual to be held May 3-6, 1976 (E) June June 102
seventh annual (E) June 102
Offshore vessel being offered by Putnam Oct. 82H
Ohtori delivered—dry cargo vessel May 72
Oil cargo preference legislation *Apr. 80
Oil import cut—Blackwell views (E) Jan. 140
Oil Navigation Corporation:
Andros Chryssi delivered—tanker Jan. 67
Oil-recovery systems for Navy—23 May 118
Oil recovery unit by Durham Associates (N) May 90
Oil rig supply ship HAI-223 delivered Sept. 72
Oil Skimmers, Inc.:
Brill oil spill sentry system (N) June 76
Oil spill control—barriers for (N) Apr. 114
Oil spill legislation—AIMS urges (E) Dec. 172
Oil spills/leaks—24-hr watch for (N) June 74
Oil tanker trade—Oslo's R.S. Platou A/S *YB 91
Oiler launched—Roanoke (AOR-7) Jan. 67
Oil-water separator systems—18 Sept. 166
Ojika launched—LST Nov. 74
Oklahoma Water, Inc.:
sound water management programs (E) June June 110
Okaloosa delivered—70-ft towboat *May 62D
Oldendorf (DD-972) christened—destroyer Dec. 78
Olsen & Company, Fred:
Sea Bruse/Sea Bure delivered July 46F
Sea Brute launched—tug-supply boat July 46F
Oman, W. Steele:
a waterless ship sewage system Apr. 90
189-ft floating hospital from Blount *Jan. 39
100,000-shp nuclear propulsion plant *Apr. 79
138-ft towboat from St. Louis Ship *Jan. 33
120-ft crewboat by Swiftships *Aug. 58
Operating differential subsidy (ODS):
aid—for national security (E) July 102
Operation Sail 1976 (E) May 130
Operational experiences with inert gas systems *Apr. 79
OPSAIL '76 off and running (E) May 130
Orderbook at U.S. yds remains high *YB 75
Ore carriers:
River Princess delivered Sept. 72
Sam Laud launched Jan. 67
Ore/oil carriers:
Amazon Maru launched Oct. 84
Elbe Maru christened Nov. 74
Elbe Maru delivered Sept. 72
inert gas systems may be mandatory on *Jan. 50
Sam Laud christened May 72
Skaubo delivered Jan. 67
Orenstein & Koppel AG:
Chemical Lutetia delivered—tanker *Dec. 51
Orient Overseas Container Line:
Oriental Statesman launched May 72
Oriental Statesman launched May 72
OSHA (occupational safety & health act):
defined "our savior has arrived" *Mar. 29
less accident-lost man-hours, etc. *Mar. 27
1972 study—5% added to billing rate *Mar. 27
"our savior has arrived" defined by yds. *Mar. 29
regulations (N) *Jan. 88
rights-of-employees provisions under (E) Mar. 160
safety regulations required under *Mar. 30
training for fork-lift operators, etc. *Mar. 30
U.S. yds safety conscious before (E) Mar. 160
OSHA standards (N) Mar. 88 (N) *Mar. 90; (N) Mar. 92; (N) *Mar. 94
OSHA's impact on shipyard safety *Mar. 27
Occupational safety & health act (OSHA) *Mar. 27
Occupational safety and health act (OSHA):
U.S. yds. safety conscious before (E) Mar. 160
Ocean Foods & Trades (C.&J.), Ltd.:
Pinky brand alloy-hulled shrimpers *Feb. 52
Odense Steel Shipyard, Ltd.:
Linga launched—2nd of 6 tankers Mar. 66
Oil pollution rules—implementation of Feb. 56
Oil spill recovery vessels for Navy—24 Mar. 128
Olsen Company, Fred:
1st of 4 tug-supply ships delivered to Feb. 54B
Omega navigation receiver—low-cost (N) *Feb. 82
180-ft supply vessel launched *Mar. 60D
One-side welding Mar. 140
Operational experiences of inert gas systems (E) Feb. 114
OT-Rederierna:
mini-tanker Isabell delivered to *Dec. 57
Otto Candies, Inc.:
Adele Candies—3rd boat for *Jan. 28
Overseas order to Edo—$10 million Jan. 118
Overseas Shipholding Group, Inc.:
2 tanker contracts cancelled (E) *YB 7
Ownership statement Nov. 126
Oxygen analyzing instruments:
Edmont-Wilson (N) Mar. 88

P

P & O Lines Ltd.:
Garbetas delivered—ammonia carrier *Dec. 54
P.T. First Indra Corporation, Ltd.:
world's 1st totally containerized dredge Nov. 62F
PAC-270 launched—prototype cargo barge June 66D
PC-15-class submersible Vol LI *Apr. 42
PCH-1 High Point designs (E) Aug. 138
PDD-200C depth digitizer (N) Aug. 72
PGH-1 Flagstaff designs to Navy (E) Aug. 138
PHM-1 Pegasus—Navy prototype (E) Aug. 138
PSI-Liaaen:
c-p propellers July 88
cp propellers/thrusters ordered May 117
PAC organization:
PAC-270 launched—cargo barge *June 66D
Pacduchess delivered—bulk carrier Nov. 74
Paceco:
DB-300 placed in service—deck barge Oct. 82F
Foss 343 launched—barge *Apr. 84L
Pacific Ares in collision—tanker (E) Apr. 168
Pacific Mariner christened—crab boat Jan. 58H
Pacific NW Section hears about hydrofoils July 40
Pacific Sea Transportation:
1st of 3 jetfoils delivered to (E) Aug. 138
Pacific Seahorse—ice-classed ship *Aug. 60
Package includes equipment for welding jobs *May 86
Panama Canal Company:
AIMS/ILA protest higher Panama Canal costs (E) Sept. 180
Panama Canal costs:
AIMS/ILA protest higher (E) Sept. 180
Panamax design tanker Aug. 50
Panametrics, Inc.:
ultrasonic thickness gage (N) *Apr. 114
Panel—power distribution (N) *Mar. 94
Panels for LNGs—insulation *Sept. 54
Papachristidis Shipping Ltd.:
Kotuku launched—products carrier Apr. 92
Paper covers design of gantry crane on a LASH *June 50
Paper covers planing hull structure Feb. 60
Paper covers submarine made of concrete *May 68
Paper covers survival capability of 3 types of ships *Nov. 64
Paper describes marine COGAS plant *Dec. 76
Paper focuses on causes of damages to reduction gears Jan. 64
Paper focuses on support ship for Arctic *Mar. 62
Park Steamship Company:
1mini-bulker ordered *Sept. 66, *Dec. 63
Parsons (DD-949)—Forrest Sherman class (E) May 138
Passenger ships:
dying YB 249
Pat Rutherford, Sr.—drilling ship *Jan. 58
Patrol Frigate—switchboards/panels for Mar. 126
Pauli & Griffin Co., Inc.:
sandblasting machines available (N) *Jan. 92
Pavel Rybin delivered—ship carrier Apr. 92
Peabody, Ltd., Messrs.:
inert-gas systems for ships *Jan. 49
scrubber—rubber-lined *Jan. 52
Pederson Construction, Oscar:
foaming interiors of old barges *June 46
Pegagus (PHM-1)—Navy prototype (E) Aug. 138
Pemex, Mexican petroleum company:
SPM terminal to be anchored off Mexico *Sept. 80B
PEMEX (Petroleos Mexicanos):
keel laid for marine terminal Mar. 66
mooring terminal system Sept. 166
Philip Ditta Shipyard:
Lady Janice christened—pushboat Sept. 80N
Pending applications for Title XI ins. YB 14
Peninsular & Oriental Steam Navigation Co.:
LPG/ammonia carrier launched Aug. 50
Penn-Troy Machine Company:
Bicera explosion relief valve (N) Oct. 110
Penrod Drilling Company:
Penrod 71 delivered—drilling rig *Mar. 56
Penrod 72/Penrod 75 to be delivered *Mar. 56
'Penrod 71' drills to 30,000 ft depth *Mar. 56
Penrod 72/Penrod 75—drilling rigs *Mar. 56
Penrose, William H.:
new look at fleet-management techniques Feb. 34
Percentage of orders placed in principal shipbuilding countries 1970-1974 YB 126
Perkins, Jr., W.F.:
SES design—progress in *Jan. 60
Perovich, Carl:
Viking—trawler/crab fishing boat *May 62
Perry Oceanographics, Inc.:
commercial sub advantages at any depth *Apr. 38
Vol LI submersible *Apr. 42
Perry subs in North Sea:
soon to be 10 (E) Apr. 184
Perry-built submersible—sonar aids (N) *Apr. 108
Peru:
keels laid for 2 of 4 frigates Feb. 64
Petchul-designed tug now operating *Oct. 82L
Petchul, Inc., S.L.:
tug designs *Oct. 82L
Peterson Builders, Inc.:
Donald O'Toole—tugboat *Jan. 58P
Petersen, Kenneth R.:
Viking—trawler/crab fishing boat *May 62/
Peterson launched-DD-969 July 50
Petrogen, Inc.:
metal-cutting torch (N) Nov. 100
Petrolene Incorporated:
Pacific Seahorse—ice-classed ship *Aug. 60
Petroleo Brasileiro S.A. (Petrobras):
Maasbracht chartered—VLCC Oct. 84
Petroship A. delivered—carrier Apr. 92
Petroship B launched tanker Jan. 67
Petroship Corporation SA of Monrovia:
Petroship A. delivered—oil carrier Apr. 92
Philippine Sun Oil Company:
Brinkerhoff 1—to operate the *Feb. 54F
Phillips/Marathon application:
objections to the (E) Feb. 122

Phillips Petroleum Company:
diving services to Seaway Diving A/S *Sept. 80D
Seaway Falcon diving services *Dec. 66
Seaway Falcon time-chartered to *Sept. 80D, *Dec. 66
Phillipa Petroleum Corporation:
LNG from Alaska to U.S. ports (e) Feb. 122
Pickands Mather & Co.:
centralized automation systems for ships Sept. 166
Piers—Dravo to build 3 water Nov. 136
Pilot boat capabnle of light towing, etc. *Nov. 62D
Pilot launch Georgia delivered Mar. 60B
Pink Jasmine, Pink Lotus, Pink Orchid and Pink Rose—trawlers *Feb. 52
Pinky brand alloy-hulled shrimpers *Feb. 52
Pipe alignment—new concept in (N) June 77
Pipe handling for offshore drilling Dec. 76
Pipeline—barge lays record amount of July 46H
Piranha being built—tug *May 62
Plainview (AGEH-1) designs (E) Aug. 138
Planing hull structure Feb. 60
Plasma arc cutting *Mar. 41
Plate—Amax gripdeck floor (N) Jan. 96
Platforms:
new elevated working (N) *Aug. 68
2nd for BP Forties oilfield *Sept. 80J
ventures diminish need for surface (E) Apr. 184
Platou A/S, Oslo's R.S.:
oil tanker trade *YB 91
Poland:
trade with U.S. increased (E) Mar. 152
Polar Alaska—Liberian-flag ship (E) Feb. 122
Polar Sea/Polar Star paper—Nodell's *Mar. 61
Polar Star construction problems—USCG's *Mar. 61
Polish Entente/U.S.:
begin operations (E) Mar. 152
Polish yard—first of series from *Dec. 50
Pollution control measures for GL ships *Feb. 60
Pollution control systems on the MS Mass. *June 28
Polygon Co., Div. of Plas/Steel Products:
Tuf-Loc marine bearings (N) Jan. 92
Ponte Naya:
Castellblanch launched—bulk carrier Sept. 72
Popeye winch—Ingersoll-Rand's (N) *Dec. 90
Port Engineers Society:
advanced technology/management innovation *Apr. 80
next quarter century: Needs/prognosis (E) Feb. 114
Port Royal Marine Corporation:
LASH barges get "false bow" *Feb. 54D
Porta Power Pak, Inc.:
power distribution panel (N) *Mar. 94
Portable boring bar (N) *Mar. 84
Portable hotsy sand jet (N) Dec. 100
Portable power centers (N) *Mar. 86
Portable power supply study Mar. 145
Portable systems keeps cargo free from sweat *Jan. 96
Ports:
U.S. and foreign *July 37; *YB 195
world *YB 195
Postwar by U.S.—vessels ordered abroad YB 200
Power centers—portable (N) *Mar. 86
Power distribution panel (N) *Mar. 94
Power supplies *Mar. 36
Power torque wrench designed (N) *Oct. 98
Power-Dyne Products Div., Raymond Engrg, Inc.:
air-powered torque tool (N) Nov. 90
Powerful new air winch is safe (N) *Dec. 90
Powerful towboat built by Dravo *July 42
Powerful towboat joins Wisconsin Barge *Jan. 39
Powerful valve actuators (N) Aug. 82
Powerjet 24 waterjet propulsion system YB 64F
Precision National Corporation:
German-built Friedrian-Samalts grinder *Oct. 71
Predictor II radar Jan. 118
Preheating gives better welds *Mar. 48
Preheating welds—effects without *Mar. 48
Presentation covers progress in SES design *Jan. 60
Presentation covers steam propulsion plants *Mar. 61
Pressure units for cleaning equip in ships (N) *Nov. 88
Preweld heaters—electric *Mar. 49
Princess Louise—SNAME gathers on the *Mar. 62
Privateer launched—tug *Jan. 58B
Production platforms:
Condeep for Shell U.K. Sept. 80N
for Burmah Thistle *Sept. 80J
Products carriers:
Esso Coral Gables delivered Oct. 84
Groznyy delivered Aug. 50
Hudson Cavalier launched Oct. 84
Kotuku launched Apr. 92
Zapata Patriot launched Feb. 64
Zapata Ranger launched June 52
Products tanker 1st of size at Sedish yd *Dec. 59
Prognosis of trends in the marine field for next quarter century (E) Feb. 114
Prohl, M.A.:
steam propulsion plants' paper *Mar. 61
Project Hope—commemorative medal for (E) Oct. 168
Propeller Club of the United States:
49th annual convention in Florida (E) Aug. 130
Propeller noise—experts discuss *May 66
Propeller nozzles cut fuel costs *Dec. 74
Propeller—shrouded rotating July 30
Propellers:
nozzle—Kirsten Maersk fitted with *Dec. 58
Propellers (controllable-pitch):
Propulsion Systems to supply July 88
Stone Manganese—advanced design (N) Feb. 84
Propellers (KaMeWa):
El Paso Paul Kayser—installed in *Dec. 53
Proposed FY76 and FY77 SCN programs *YB 67
Propulsion plant study—modern Aug. 124
Propulsion Systems, Inc.:
cp propellers/thrusters May 117
PSI/Liaaen c-p propellers July 88
Protexas, S.A.:
SPM terminal to be anchored off Mexico *Sept. 80B
Prototypes:
Svetlorsk undergoing sea trials *Sept. 6
Propulsor may give increased efficiency July 30
Protexas, S.A.:
giant buoy contracted through Mar. 66
Prototypes:
incinerator—multipurpose shipboard Mar. 127
MH30—1st large Japanese hydrofoil (E) Aug. 138
Neva—container/vehicle carrier Oct. 84
PAC-270 launched—cargo barge *June 66D
Pegasus (PHM-1)—for Navy (E) Aug. 138
pilot boat put in service *Mar. 60B
SES—waterjet propulsion system for Feb. 107
Prufcoat Division:
Tarep—coal tar epoxy coating (N) Apr. 116
Puget Sound Naval Shipyard:
discussion presented of yard July 40
Pump & Compressor Div. of Hamworthy:
modular air compressor (N) *Jan. 90
Pumps:
hydraulically operated submersible (N) Aug. 72
Purifiers—Del-Monox high pressure (N) Aug. 77
Purifiers provide clean compressed air (N) *Jan. 88
Pushboat Lady Janice christened Sept. 80N
Pushboat 66-ft McM VI delivered *YB 64B
Pushboats Shawnee and El Macho delivered *May 62H
Pusher tug built by Atlantic Marine *Jan. 33
Putnam Shipbuilding Corporation:
165-ft tug-supply vessel offered Oct. 82H
two 95-ft ocean-going tugs Oct. 82L
William W. Sprague delivered—tug *Apr. 84
Pyramid Marine, Inc.:
prototype maintenance/repair system Aug. 124

Q

Qualex Corporation:
synchronizer—Twin-Synomodel 25 (N) *Oct. *Oct. 100
Quality Equipment Company:
Adriatic Seahorse—workboat *Jan. 30
Lightning—offshore supply ship *Jan. 36
Quick-drying marine coating (N) Aug. 77
Quikfill 525—additive *Mar. 33
Quincy Shipbuilding Division of GD:
specialized insulation systems Mar. 126

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R.D. Marine, Inc.:
Lady Janice christened—pushboat Sept. 80N
RF Communitions Div., Harris Corp.:
rugged 25-watt radiotelephone (N) *Feb. 86
RF Communications Division, Harris:
VHF-FM radiotelephone introduced (N) *June 76
RF-448 all-channel radiotelephone (N) *June 76
R.F. Meek delivered—towboat *Sept. 78
Rabe, W.D.:
damage stability requirements for tankships, chemical ships and gas ships *Nov. 64
Racine Construction Tool Division:
submersible pump (N) Aug. 72
Racor Industries:
high capacity unit introduced (N) May 92
Radar:
Atlas—two 72-mile (N) *Apr. 112
features solid-state electronics/ranges (N) *June 78
improved—from Ridge (N) Nov. 90]
installations for Ocean Transport Jan. 118
mariners pathfinder for Raytheon Aug. 124
side looking airborne—SLAR *Nov. 56
Radio beacon—Seapirb emergency (N) *May 86
Radiofacsimile proves its value to marine *Nov. 56
Radiolocator 16 Jan. 118
Radiotelephones:
RF-448 all-channel VHF-FM marine (N) *June 76
rugged 25-watt RF Communications (N) *Feb. 86
single sideband—Raytheon SSB (N) *Nov. 86
VHF/FM—used anywhere in the world (N) *Sept. 102
Railings—aluminum safety (N) Mar. 92
Rail-to-barge coal transfer terminal Apr. 84T
Ralston-Purina Company:
Hornet III launched—superseiner July 50
Ramp—150-ton angled stern Jan. 118
Rampmaster Incorporated:
aluminum safety railings (N) Mar. 92
Ranger—offshore support vessel *Jan. 37
Ray A. Eckstein—towboat *Jan. 39
Ray-1209 SSB radiotelephone (N) *Nov. 86
Rayburn Marine, Inc.:
Chip IX delivered—crewboat *Jan. 58D
Raymond International Inc.:
Loretta—jackup work barge *Aug. 60D
Raytheon Company:
Digitizer—PDD-200C precision depth (N) Aug. 72
modern propulsion plant study Aug. 124
Raytheon Marine Company:
mariners Pathfinder radars Aug. 124
single sideband radiotelephone—SSB (N) *Nov. 86
Raytheon Service Company:
oceanographic survey system contract May 117
React-A-Matic power torque wrench *Oct. 98
Reaction of classification agencies to the next quarter century (E) Feb. 114
Receiver—LC-101 Loran-C automatic (N) *Jan. 90
Receiver—Loran C. navigation (N) Aug. 77
Receiver—low-cost Omega navigation (N) *Feb. 82
Recent developments in shipyard welding *Apr. 90
Recorder—Digidata situation (N) Oct. 108
Rederiet Odfjell, A/S:
Bow Fagus/Bow Flower christened June 52
Reduction gear damages related to external influences Jan. 64
Reefer ship Afric Star delivered *Dec. 46
Reefer ships—total of 5 ordered *Dec. 46
Reeve, Ron:
new concept in welding lowers costs *Mar. 36
Refineria de Petroleos del Norte, S.A.:
La Santa Maria chartered—VLCC Oct. 84
Regional production ships U.S. yds in '74 YB 81
Regional resistance—coastal states (E) Dec. 164
Reliance Electric Company:
new a-c motors easier to handle (N) *Dec. 96
Remote control introduced—½-in. (N) June 76
Remote sensing system—infrared Nov. 136
Replenishment oiler Roanoke (AOR-7) Jan. 67
Republic of Senegal:
Niomre launched—tuna seiner Nov. 74
Republic Steel Corporation:

tougher drive shafts for crew boats June 66D
Research Products Blankenship Company:
Incinolet incinerating toilet (N) *Nov. 100
Research ships:
Gyre—oceanographic *Jan. 34
Research ships:
Moana Wave—oceanographic *Jan. 34
Research ships:
oceanographic survey system for 1 May 117
Reserve fleet:
$5 million 5 yrs annually to upgrade (E) July 102
Reserve fleet (Navy) 291 ships cut from *YB 68
Residual fuel additives for marine propulsion engines *Apr. 158
Respirator—MSA paint spray (N) *Sept. 100
Resuscitator/inhalator for emergency (N) *Mar. 90
Reynolds, James J., president AIMS:
boost in CDS rate urged (E) Oct. 176
Reynolds, James J., AIMS President
supports oil spill legislation (E) Dec. 172
Reynolds, James J.: president AIMS:
views on value of viable mer. mar. (E) July 102
Reynolds Metals:
unloader ordered from Washington Iron Sept. 166
Rheinstahl Nordseewerke:
specializes in custom-built ships *Nov. 30
Rhode Island Marine Services, Inc.:
Tripolina delivered—trawler *Mar. 60A
Ridge Electronics:
improved radar announced (N) Nov. 90
Riffe Marine Corporation:
large hot asphalt/fuel oil barges Apr. 84T
Rights-of-employees provisions—5 (E) Mar. 160
Riley, J.E.:
inert gas systems operational experiences (E) Feb. 114
operational experiences with inert gas systems *Apr. 79
Rio Horizonte delivered—tanker Mar. 66
Risnes delivered—mini-bulker *Dec. 63
Risnes—1st of 7 "mini-bulk" carriers *Sept. 66
River Princess delivered—ore carrier Sept. 72
Rivergate Exhibition (E) Sept. 172
Roanoke (AOR-7) launched—rep. oiler Jan. 67
Robinson, LCDR Thomas H.:
what's happening with marine environmental regulations *Apr. 88
Rocketdyne Div. of Rockwell:
design of propulsion system for SES Feb. 107
Rocketdyne Div. of Rockwell International:
Powerjet 24 waterjet propulsion system YB 64F
Rohr Industries SES Division:
advanced development work on SES Mar. 128
Rohr Industries SES Division:
support test/evaluate Navy's SES-100A Mar. 127
Roll-on/off ships:
Americana enters service *Feb. 48, *Dec. 47
Roll-on/off ships:
Arizona keel laid Feb. 64
Roll-on/off ships:
Arizona launched—2nd Maine-class Dec. 78
Roll-on/off ships:
Australian Emblem delivered *Dec. 49
Roll-on/off ships:
Great Land now in Seattle-Alaska trade *Dec. 55
Roll-on/off ships:
Great Lane—world's largest *Nov. 49
Roll-on/off ships:
Lurline in 1st Calif./Hawaii trade (E) Apr. 168
Roll-on/off ships:
Maine launched June 52
Roll-on/off ships:
Maine to be launched in May Feb. 64
Roll-on/off ships:
sistership to Americana to be built *Feb. 48
Rolls-Royce (1971) Limited:
gas turbines for 4 Royal frigates Feb. 107
RO/RO ships (see Roll-on/off ships)
Rose City keel laid—tanker June 52
Rosenblatt & Son, Inc., M.:
had important role in DD-963 program *May 40
Round-the-world service to be resumed (E) July 94
Royal Netherlands Navy:
gas turbines ordered for frigates Feb. 107
Royal Yacht Squadron of England:
solid silver cup deeded to N.Y. Yacht May 130
Royalex buoy reduces hazards YB 64L
Rubicon Chemicals, Inc.:
foaming interiors of old barges *June 46
Rugged 25-watt radiotelephone (N) *Feb. 86
Rules for measurement of vessels (E) Sept. 180
Russ Mobley launched—towboat *Oct. 80
Russell & Stoll:
portable power centers (N) *Mar. 86
Russia (see Soviet Union)
Rusty Flowers launched—towboat *Dec. 74B
Ruth launched—bulk carrier Feb. 64

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SAW (submerged-arc welding method) *Mar. 32
SES—advanced development work on the Mar. 128
SES design—progress in *Jan. 60
SES-100A—Rohr to support/test/evaluate Mar. 127
SES (Surface-effect-ship):
waterjet propulsion system for Feb. 107
SLAR—side looking airborne radar *Nov. 56
SMM model XL c-p propeller (N) Feb. 84
SO2 carryover—no corrosion expected from *Jan. 50
SOIS (shipping operations information system) *Apr. 81
S-P Manufacturing Corporation:
cylinders with protective coatings (N) Dec. 100
SPC (Ship Production Committee):
developments in shipyd welding Mar. 139
SPM buoy of Imodco design *Nov. 62B
SPM terminal to be anchored off Mexico *Sept. 80B
SPM-type system (N) *Sept. 94
SPMIS (shipbuilding production management information system) *Apr. 81
SS HOPE—commemorative medal (E) Oct. 168
SSB radiotelephone (N) *Nov. 86
SSBN subs—sonar systems for Nov. 136
SS140S scanning sonar system (N) *Apr. 108
SSP Construction Equipment, Inc.:
SALM's—2 more swivels for (N) *Sept. 94
SSV designed—support ship June 66
STL 3901 delivered—barge *Feb. 41, *Dec. 64
STL 3901 to be leased to Shell *Feb. 41
STR 24 VHF/FM radiotelephone (N) *Sept. 102
Safety efforts by maritime companies honored by award *Nov. 64
Safety/health procedures at all U.S. yds. *Mar. 28
Safety helmet—rain trough (N) *Mar. 92
Safety laws *Mar. 31
Safety regulations required by OSHA *Mar. 30
Safety system—drill rig Aug. 60D
Sagres II—tall ship (E) May 130
St. Clair side-launched—lakes carrier Aug. 50
Saint John's Guild:
The Floating Hospital—900 passenger *Jan. 39
St. Louis Ship, Div. of Pott Industries, Inc.:
Gloria G. delivered—towboat *Jan. 33
Henry B. delivered—towboat *Oct. 76
John D. Geary in service—towboat *Apr. 84L
Margaret O. christened—towboat *Apr. 84N
SAIPEM S.P.A.:
numerous catamaran type drilling units *Sept. 50
Scarabeo III built—drilling rig *Sept. 49
Scarabeo IV being built-Drilling rig *Sept. 49
Salen Group:
Sea Saint delivered in Europe—tanker *Feb. 29, *Dec. 65
six tankers for *Dec. 65
Saline deposits—new product removes (N) Sept. 94
SALM system—single anchor leg mooring (N) Sept. 94
Salvage problem solved *Apr. 84D
Sam Laud christened—ore/oil carrier May 72
Sam Laud launched—ore carrier Jan. 67
San Clemente Class tankers:
Beaver State launched Dec. 78
Golden Endeavor delivered Jan. 67
Golden Monarch delivered Aug. 50
NASSCO has orders for 3 more Aug. 50
Rose City keel laid June 52
Worth launched Sept. 72
San Diego Marine Construction Corporation:
Grenadier launched—tuna superseiner Sept. 72
Hornet III launched—superseiner July 50
superseiner for Naviera Industrial July 50
superseiner under construction for Naviera Industrial S.A. July 50
San Francisco Golden Gate Region:
ship arrivals remain high (E) Feb. 114
San Francisco Marine Exchange:
ship arrivals remain high (E) Feb. 114
Sand jet—hotsy (N) Dec. 100
Sandblasting machines available (N) *Jan. 92
Sanders Associates, Inc.:
AN/SSQ-72 shipboard receiving systems Feb. Feb. 107
cost reduction engineering tests, etc. Sept. 166
shipboard direction-finding systems July 88
Sanitation device for processing sewage (N) *Dec. 102
Sanka Stresa delivered/chartered—tanker June 52
Sanko Steamship Company, Ltd.:
Azarpad to be chartered—tanker May 72
Elbe Maru christened—ore/oil carrier Nov. 74
Elbe Maru delivered—ore/oil carrier Sept. 72
Sanka Stresa chartered—tanker June 52
Wako Maru delivered—tanker Apr. 92
Santa Fe International Corporation:
MiniSemi—new drilling rig *Apr. 84N
Santa Fe 77 type ship Aegis Dynamic Apr. 92
Santos converted to pipelaying ship *Dec. 62
Santos renamed Ocean Builder I—tanker *Dec. 62
Sanyo Shipyard Co., Ltd.:
HAI-225 delivered *Dec. 74D
Satellite data—weather *Nov. 57
Savannah Towing Company:
95-ft ocean-going tug ordered Oct. 82L
Scafford system—Kwikstage (N) *May 88
Scan reduces frequency of dry docking (N) *Feb. 79
Scanmar Tanker Corporation:
Mercury delivered—tanker *Dec. 59
Scanning sonar system (N) *Apr. 108
Scanning system—underwater (N) *Feb. 79
Scarabeo III delivered—drilling rig *Sept. 49
Scarabeo IV being built—drilling rig *Sept. 49
Schaefer Brewing Company: F.&M.:
yacht America built for (E) May 130
Schaff, J.C.:
feasibility of nuclear icebreaking ship *Mar. 62
Scharfenstein, Charles:
a rough water, disc, drum oil recovery system *June 50
Schat Davits Ltd.:
survival craft for evacuating crews *June 66
Scheepswerf Voorwaarts BV:
Inger delivered—cargoship *Oct. 66
Scientific-Atlanta, Inc.:
consoles/Marisat communication equip. Jan. 118
Scotland: Abrasive blast facility Aug. 124
Scott, J.F.:
residual fuel additives for marine propulsion engines *Apr. 158
Scott Lithgow:
Nordic Commander bow section launched Nov. 74
Scrap prices continue upward spiral *YB 207
Screens—vinyl-coated wire (N) *July 66
Scrubber—packed *Jan. 51
Scrubbers—rubber-lined *Jan. 52
Scully Brothers Boat Builders, Inc.:
Margaret D delivered—towboat *Mar. 60D
Sea Bruse delivered—boat Feb. 54B
Sea Bruse/Sea Bure delivered July 46F
Sea Brute launched—tug-supply boat July 46F
Sea Cushion marine fenders—Seaward (N) *July 73
Sea Saint—tanker:
highly computerized *Feb. 29, *Dec. 65
Seabee patents granted to Lykes (E) Jan. 132
Seabee technology:

Soviets licensed to use (E) Nov. 156
Seabee vessels:
Lykes chairman answers critics of deal (E) Nov. 156
Lykes orders 3 from General Dynamics Nov. 156
Navy declines to bid on (E) Nov. 156
Seaborne Integrated Diagnostic System (N) Jan. 94
Seabulk Challenger delivered—tug *Feb. 41; *Dec. 64
Seabulk Challenger to be leased to Shell *Feb. 41, *Dec. 64
Seabulk Corporation:
Seabulk Challenger/STL 3901 delivered *Feb. 41 *Dec. 64
Seafarers International Union:
objection to waiver application (E) Feb. 122
Seafaring award to Lawrence Pagano (E) June 102
Sea-Land Service, Inc.:
boost in CDS rate urged (E) Oct. 176
Seapirb—emergency radio beacon (N) *May 86
Sea-Scan 300 sonar system (N) *Nov. 90
Seatrain Shipbuilding Corporation:
suspends tanker construction (E) Jan. 140
Seaward International, Inc.:
Sea Cushion marine fenders (N) *July 73
Seaway Diving A/S:
diving services for Philips *Sept. 80D
Seaway Falcon diving services *Dec. 66
Seaway Falcon—fire-fighting ship *Sept. 80D, *Dec. 66
2nd Int. LNG/LPG Technology Exhibition:
in Paris—Sept. 30 to Oct. 3, 1975 *Jan. 55
Sedco 135 series drill rig design *Sept. 49
Sedco 471—drilling rig *Dec. 72
Sedco series 700:
Stardrill named—drilling rig *Dec. 72
Sedco 709—drilling rig *Dec. 72
Sela Towing Company, Inc.:
Okaloosa delivered—towboat *May 62D
Self-lubricating bearings (N) Jan. 92
Self-propelled merchant vessels:
over 2000 gt launched in U.S. in 1974 YB 79
steel, 2000 gt/over built 1974 U.S. yds YB 80
Self unloaders:
Bay Shipbldg to build 2 *Sept. 36
intended for American S.S. Company Nov. 134
Semi-bulk containers designed (N) *Sept. 98
Seminar at Webb Institute—fuel-saving (E) Mar. 152
Seminar—ISESA one-day *July 35
Semisubmersible drilling rig MiniSemi *Apr. 84N
Semi-submersible support ship designed June 66
Separation & Recovery Systems, Inc.:
18 oil-water separator systems Sept. 166
Series tankers at Eriksbergs *Dec. 59
'75 OTC a smash (E) June 102
70-ft towboat Okaloosa delivered *May 62D
Shaft produced—high torque flexible (N) June 78
Shafts reduce downtime of boats—tougher June 66D
Shallow draft ferry built by Todd-Houston *Jan. 32
Shallow-draft vessels—a portfolio *Jan. 27
Shape-cutting machines—new generation *Mar. 40
Sharp Company, George G.:
The Floating Hospital designs *Jan. 39
Shaw Savill & Albion Co., Ltd.:
Cairnfreighter launched—minibulker Dec. 78
Cairnleader delivered—mini bulker Oct. 84
Shawnee delivered—pushboat *May 62H
Shell Alexia X oil for diesel engines (N) Oct. 102
Shell/Esso venture:
Condeep production platform Sept. 80N
Shell International Marine:
Metula—tells all on the grounding of *Apr. 54
Shell Oil Company:
Seabulk Challenger/STL 3901 leased *Feb. 41, *Dec. 64
Shell Alexia X oil for diesels (N) Oct. 102
Shell Tankers BV:
tells all on the grounding of Metula *Apr. 54
Shell Tankers (U.K.), Ltd.:
5 ships on order Mar. 66
Limatula delivered—tanker Jan. 67
Linga launched—tanker Mar. 66
Shell U.K. Exploration & Production Ltd.:
Condeep production platform for Sept. 80N
Shell UK Ltd.:
Stardrill named—drilling rig *Dec. 72
Shell's Alexia oil A *July 24
Shell's Marpessa lost to an explosion *Jan. 49
Shenandoah launched—drilling platform *Sept. 78
Ship carrier Pavel Rybin delivered Apr. 92
Ship completions last yr up for 9th time *YB 125
Ship design—Woods *Nov. 54
Ship disposals—U.S. *YB 207
Ship Factory, North Devon, England:
Risnes delivered—1st of 7 mini-bulkers *Sept. 66
Ship Production Committee of SNAME:
some recent developments in shipyd welding Mar. 139
Ship stack insignia chart YB 183
Ship types—West German orderbook *Nov. 32
Ship values decline (E) Jan. 140
Shipboard environment (E) Aug. 130
Shipboard HVAC systems discussed *May 68
Shipboard receiving systems—AN/SSQ-72 Feb. 107
Shipbuilders Association of Japan:
outlook grim for building tankers (E) Oct. 168
Shipbuilders Council of America:
against Phillips/Marathon application (E) Feb. 122
LNG carrier for Alaska/Portland (E) Feb. 122
Shipbuilding:
breakdown of U.S. *Apr. 80
501 for FY75 to drop to 490 by FY 76 *YB 68
Navy—contracts in existence 4/1/75 YB 70
1970 Act offers challenge to industry Mar. 139
West German *Nov. 29
Shipbldg prices—chronological review of YB 22
Shipbuilding Production Management Information System (SPMIS) *Apr. 81
Shipbuilding report—U.S. July 58
Shipbuilding (U.S(:
projects pending 5/1/75 YB 10
some booked to capacity; others hurting (E) *YB 7
some 400 studies of (E) Apr. 184
Shipping operations information systems (SOIS) *Apr. 81
Ship-repair capability expanded *YB 64J
Ship sales:
comparative summary postwar for scrap YB 210
Constitution—foreign use *YB 207
Independence—foreign use *YB 207
/transfers foreign since WWII YB 208
20 merchant by MarAd for nontransportation YB 208
Ship scrapping:
comparative summary postwar ships sold for YB 210
merchant ships sold for—during 1974 YB 208
merchant—69 sold for YB 208
1974—MarAd sold 71 for YB 208
160 sold for *YB 207
Ships:
custom-built—Rheinstahl-Nordseewerke *Nov. 30
Empire State V.—training (E) June 102
501 for FY75 to drop to 490 by FY76 *YB 68
Navy—501 FY75 drops to 490 FY76 *YB 68
passenger—dying YB 249
78 Navy—in existence private yds 4/1/75 YB 70
specialized—spur modern facilities *YB 195
21 ordered abroad by U.S. YB 199
Shipsets from Fredriksstad—300 *Jan. 52
Shipyard safety—OSHA'S impact on *Mar. 27
Shipyards:
Pacific NW hears presentation on July 40
Shipyards (foreign):
mini-tanker Isabell delivered *Dec. 57
nearly 70 in the Federal Republic *Nov. 29
some West German avoided VLCC's *Nov. 29
types vessels ordered postwar by U.S. YB 202
Shipyards (U.S.):
becoming competitive in world markets *Mar. 31
do need orders (E) Jan. 132
Ingalls—built under OSHA requirements *Mar. 30
merchant ships built 1974 in each YB 76
merchant ships 2000 gt/over built 1974 YB 80
misc. mer. ships built 1974 in YB 82
no./tonnage merchant ships over 2000 gt since 1914 YB 78
orderbook remains high *YB 75
regional production merchant ships in '74 YB 81
safety conscious long before OSHA (E) Mar. 160
safety/health procedures at all U.S. yds *Mar. 28
78 naval ships as of 4/1/75 YB 70
some booked to capacity; others hurting (E) *YB 7
subsidized to foreign cost levels (E) Nov. 156
27 merchant ships delivered in 1974 May 130
types self-propelled ships 100 gt/over YB 77
Shipyards (U.S. and foreign):
outlook grim for Japanese (E) Oct. 168
Shipyards (world):
merchant ships 1000 gt/over in YB 128
"Shock waves" from user charges (E) Nov. 148
Shrimpers increase income—alloy-hulled *Feb. 52
Shuho Maru delivered—tanker Oct. 84
Shut-off valves developed (N) *Jan. 88
Shutoff valves—Fire-Cide (N) *Nov. 94
Sidewinder—automatic welder (N) *Aug. 68
Silja Line:
Svea Corona to work under flag of *Dec. 68
Simmonds Precision:
exhibits at Europort show *Jan. 55
Simmons Boardman Publishing Corporation:
statement of ownership Nov. 126
Simplex Wire & Cable Company:
$4.8 million for oceanographic research Jan. 118
Simrad, Inc.:
LC-101 automatic Loran-C receiver (N) *Jan. 90
Loran C navigation receiver (N) Aug. 77
Singapore—abrasive blast facility Aug. 124
Singapore Slipway & Engineering Co., Ltd.:
Asean Pioneer in service—mini-bulker *Dec. 48
Single Anchor Leg Mooring (SALM) system (N) *Sept. 94
Single-point deep-sea loading/mooring system *Apr. 84B
Sioux Steam Cleaner Corporation:
model 520 pressure cleaning units (N) *Nov. 88
Sir Francis Drake launched—supply ship *June 64
Sir Richard Hawkins launched—boat YB 64N
64th ship joins growing Arthur Levy fleet *Jan. 30
66-Ft McM VI delivered—pushboat *YB 64B
Skaar, Erling:
North American—crab boat *YB 64A
Skaubo delivered—ore/oil carrier Jan. 67
Skibsaksjeselskapet Hassel:
1 tanker launched for May 72
Skibsaksjeselskapet Stori (A/S Rederiet Odfjell):
1 tanker launched for May 72
Slater, Charlie:
Sir Francis Drake launched—supply ship *June 64
Slings—Liftex Paraweb (N) *Feb. 88
Small craft power prediction *Apr. 88
Smith, David Albert:
feasibility study for concrete submarine *May 68
Smith Industries Pty., Ltd., Howard:
Brigand launched—tug *May 62
Snyder, Jr., RADM J.E.:
Gyre/Moana Wave—research ships *Jan. 34
Siciete Senegalsese D'Armament A 'La Peche':
Jilor delivered—tuna seiner *YB 64F
Jilor to sail for Senegal—tuna seiner Apr. 92
Jofondor launched—tuna seiner Apr. 92
Society of Marine Port Engineers, The:
forum "crystal balls" next 25 years *Apr. 79
implementation of oil pollution rules Feb. 56
Society of Naval Architects & Marine/Engineers (SNAME)
SNAME (Gulf Section):
big turnout at winter meeting *Apr. 88
three papers presented *Apr. 88
SNAME (Los Angeles):
hears paper on marine insurance *May 66
ocean engineering theme at meeting *June 50
paper focuses on support ship for Arctic *Mar. 62
paper on LNG concrete barge *Nov. 66
Valdez Terminal described at *Feb. 56

SNAME (Great Lakes):
guidance manual for loading bulk car. *Feb. 60
SNAME (Great Lakes/Great Rivers):
four talks cover coal movements *July 40
SNAME (National):
annual meeting pulled big attendance *Jan. 44
David W. Taylor Medal Award to Brard *Jan. 44
82nd annual meeting had big attendance *Jan. 44
11 papers featured (E) Mar. 152
forum "crystal balls" next 25 years *Apr. 79
honorable mention to Crane for paper *Jan. 45
major awards to Brard, Bentley, Cummins *Jan. 44
nuclear mar. propulsion plant—60,000-shp/100,000-shp *Apr. 79
recent developments in shipyd welding Mart. 139
Spring meeting at Vancouver, B.C. (E) Mar. 152
12 papers to be presented at annual Nov. 66
23rd annual Fort Schuyler Forum (E) Feb. 114
use of inert gas systems on tankers *Jan. 48
vadm jerry Land Medal award to Bentley *Jan. 44
SNAME (New York):
welding developments topic at *Apr. 90
SNAME (New England):
experts discuss propeller noise *May 66
hears paper on large dry docks *Jan. 60
SNAME (New York):
paper covers survival capability of 3 types of ships *Nov. 64
planing hull structure Feb. 60
shipboard gantry crane-design/performance *June 50
SNAME (Northern California):
feasibility study for concrete submarine *May 68
ocean engineering theme at meeting *June 50
SES design—progress in *Jan. 60
steam propulsion plants presented at *Mar. 61
SNAME (Pacific Northwest):
hears presentation on hydrofoils July 40
hears talk on drill pipe handling Dec. 76
SNAME (Philadelphia):
Great Lakes & seaway transport analyses *Jan. 64
paper describes marine COGAS plant *Dec. 76
seaway and overseas trade *Jan. 64
shipboard HVAC systems discussed *May 68
USCG Polar Star construction problems *Mar. 61
SNAME (San Diego):
aluminum alloy deckhouse discussed Feb. 60
closed-loop sewage system discussed *Apr. 90
ocean engineering theme at meeting *June 50
SNAME "Star" symposium (E) July 94
SOFEC Inc.:
single anchor leg mooring (SALM) system (N) *Sept. 94
SOLAS-60 (safety of life at sea):
international convention *Dec. 47
Solid silver cup deeded to N.Y. Yacht May 130
Some recent developments in shipyd welding Mar. 139
Some yds booked to capacity; others hurting (E) *YB 7
Sonar aids submersibles in diverse tasks (N) *Apr. 108
Sonar system for improved diver navigation (N) *Nov. 90
Sonar systems for Navy's SSBN subs Nov. 136
Sorensen, William N.:
Valdez Terminal—marine aspects of the *Feb. 56
South Africa—abrasive blast facility Aug. 124
Southern Asbestos Company:
Cleangard/Weldgard asbestos cloth (N) Mar. 94
Southern Lion delivered—tanker June 52
Southern Marine Construction Co.:
barge-within-a-barge solves problem *Apr. 84D
Southern Shipbuilding Corporation:
Acadian Defender—Freedom-class boat *Jan. 28
completes two 176-ft vessels *Sept. 80B
Soviet Merchant Marine:
Neva—container/vehicle carrier Oct. 84
Soviet Ministry of Merchant Marine:
Lykes answers critics of Seabee deal (E) Nov. Nov. 156
Soviet Union:
Bellorussiya delivered—combo auto/cruise *Dec. 49
exporting hydrofoils/cargo ships *Sept. 60
hydrofoils built in (E) Aug. 138
Kometa-class vessels (E) Aug. 138
Kometa-M—hydrofoil *Sept. 61
Krym-class oil tanker *Sept. 62
large-tonnage tankers—building *Sept. 62
Lenin—atomic icebreaker *Mar. 61
Lenin—experimental icebreaker *Sept. 61
licensed to use Seabee technology (E) Nov. 156
merchant fleet 100 gt/over 1/1/75 YB 94
pioneering in hydrofoil vessel design *Sept. 61
seapower—understands importance of *YB 68
testing basins/cavitation tunnels *Sept. 61
trade expanding with—U.S. YB12
"Space age" alloy June 66H
Spanish yard delivers tanker to Kuwait *Dec. 44
Spar Aerospace Products, Ltd.:
infrared remote sensing system Nov. 136
Sparkman & Stevens:
yacht America designs (E) May 130
Spears, H.C.K.:
steam propulsion plants paper *Mar. 61
Special feature increases life valves (N) *Feb. 84
Specially designed workboat by McDermott *Jan. 37
Specific Offshore Equipment:
Royalex buoy reduces hazards YB 64L
Spiel—120-ft crewboat *Aug. 58
Spiral-tube outboard cooler (N) *May 90
Spra-Flex compound (N) Nov. 88
Spruance-class destroyer Caron christened Sept. 72
Spruance class Elliot (DD-967) christened Feb. 64
Spruance class vessels—DD-963 Feb. 64
Spruance commissioned—destroyer Oct. 84
Spruance (DD-963):
among her FIRSTS for the U.S. Navy *May 37
designed to maintain America's strength on the high seas *May 38
Litton had total responsibility for DD-963-class concept, design and construction *May 40
Rosenblatt had important role in program *May 40
Gas turbine main propulsion gives great savings in space and weight *May 42
most "people conscious" and worksaving ship in the U.S. Navy May 46
heart of ASW capability is computerized fir control system *May 48
history of the destroyer: From armed steam launch to "seagoing greyhould" May 50
Spruance—DD-963-class destroyer (E) May 138 *Dec. 67
Stale bread upon waters/yet another study (E) Apr. 184
Stallone, Benedict:
transshipping alternatives for upriver mills *Feb. 60
STAR-ALPHA symposium (E) July 94
Star Offshore Services:
Star Sirius launched—supply vessle June 52
STAR (Ship Technology and Research):
symposium (E) July 94
Star Sirius launched—supply vessel June 52
Stardrill named—drilling rig *Dec. 72
State Boat Corporation:
State Royal/State Yankee—boats *Feb. 543
State of Alaska:
3 additional survey boats ordered *Dec. 74H
State of Hawaii picks designer of 2 ferries *Nov. 60
State Royal—to be delivered in March *Feb. 54
State Yankee—tug/supply boat *Feb. 54
Statement of ownership Nov. 126
States Steamship Company:
Arizona keel laid—roro ship Feb. 64
Arizona launched—2nd Maine-class RO/ROs Dec. 78
Maine launched—roll-on/off ship June 52
Maine to be launched in May Feb. 64
Steam power plants—new system cuts operating costs of (N) *June 72
Steam propulsion plants discussed *Mar. 61
Steam turbine power plant—mar. reheat Aug. 124
Steam turbines:
power Europa tankers—GE **Dec. 56
Steel planks serve as working platforms (N) *May 88
SteelShip Corporation:
delivers 50-ft towboat R.F. Meek *Sept. 78
Little Rock—towboat *Jan. 36
McM VI delivered—66-ft pushboat *YB 64B
pushboats Shawnee/El Macho delivered *May 62H
Steering system—Steermaster bow YB 64D
Steermaster bow steering system YB 64D
Stiles, Hallet R.:
planing hull structure Feb. 60
Stogsdill, Russell:
system development planning for multipurpose Sea Island superport *Apr. 88
Stolt-Nielsen Group:
Seaway Falcon—fire-fighting ship *Sept. 80D, *Dec. 66
Stone Manganese Marine, Ltd.:
c-p propeller—advanced design (N) Feb. 84
Stord Verft a/S:
partially integrated deck July 88
Stork-Werkspoor Diesel:
diesel engines for Iconay Shipyard May 118
Stout, Jr., Arthur W.:
breakdown of U.S. shipbuilding *Apr. 80
Stow Manufacturing Company:
high torque flexible shaft produced (N) June 78
Strait of Canso chartered—tanker Dec. 78
Stresa Shipping Corporation:
Stresa Shipping Corporation:
Sanka Stresa delivered—tanker June 52
Studies examine performance of vessels *Jan. 64
Stuyvesant being built—tanker (E) Jan. 140
Submarine made of concrete—paper covers *May 68
Submarines:
Tracor sonar systems for SSBN Nov. 136
Submarines (nuclear, attack):
Glenard P. Lipscomb commissioned Jan. 67
Submerged-arc welding method slashes costs *Mar. 32
Submersible operation—improvements in (E) Apr. 184
Submersible pump—Racine's (N) Aug. 72
Submersibles:
a portfolio of innovative diving systems *Apr. 46
active manned in U.S./Canada/Europe Apr. 39
Alvin—deep diving *Apr. 37
Beaver Mark IV—work boat *Apr. 40
commercial—advantages at any depth *Apr. 38
DSRV-1/DSRV-2 for Lockheed *Apr. 38
design and handling of Pisces vehicles *Apr. 44
growing use of manned/unmanned *Apr. 37
handling of *Apr. 38
helping industry go deeper/further (E) Apr. 184
IUC's perform diverse tasks *Apr. 40
launche/retrieval system of *Apr. 38
manned/unmanned—commercial use of *Apr. 37
Mermaid II *Apr. 41
Pisces vehicles—design and handling of Apr. 44
sea-state operability of *Apr. 38
small operating crews required *Apr. 38
Vol. LI—Perry-built *Apr. 42
what makes a submersible perform effectively and safely *Apr. 48
Submersibles—energy crisis spurs use (E) Apr. 184
Submersibles—sonar aids (N) *Apr. 108
Subsides (construction-differential):
boost in CDS rate urged (E) Oct. 176
major shipbldg contracts US with CDS YB 224
pending applications for YB 10
transfer of ODS funds into? (E) Oct. 176
Subsidies (operating):
aid—for national security July 102
ODS funds into CDS suggested (E) Oct. 176
Subsidy rate dropping YB 9
Sudoimport:
keel laid for 1st of 5 tankers Jan. 67
Sudoimport, Moscow:

150-ton angled stern ramp Jan. 118
Sullivan, Rep. Leonor K.:
tanker bill introduced (E) Jan. 140
Sumitomo:
Conoco America/Conoco Canada—tankers Apr. 92
Conoco Europe christened—tanker Apr. 92
Sumitomo Shoji Kaisha, Ltd.:
Keene condensate sentry system (N) *Nov. 86
Sun Oil Company:
Bidwell explosion in 1933 *Jan. 48
Great Land—roll-on/off ship *Dec. 55
inert-gas systems for oil tankers *Jan. 48
marked reduction in tank corrosion *Jan. 50
TOTE—70 percent owner of *Nov. 49
Sun Shipbuilding & Dry Dock Company:
Great Land launched—trailership July 50
Great Land—roll-on/off ship *Dec. 55
TOTE—30 percent owner of *Nov. 49
Sunderland Forge & Engineering Co., Ltd.:
marine equipment for Korea shipyards Aug. 124
Sunderland Shipbuilders:
Melete christened—bulk carrier June 52
SUNY Maritime College:
Empire State V.—festivities aboard (E) June 102
Suomen Tankkilaiva Oy:
Wisa delivered—tanker *Dec. 69
Super Viking towboat Jason delivered *Jan. 35
Supercarrier Dwight D. Eisenhower Nov. 74
Superseiners:
American Eagle launched Mar. 66
Elizabeth C.J. launched *Mar. 58
for Naviera Industrial S.A. July 50
Grenadier launched—tuna Sept. 72
Hornet III launched—tuna July 50
"Supership" torpedoed (E) Dec. 164
Supply boat built for Euro-Pirates YB 64N
Supply boat Northern Worker delivered *Apr. 84
Supply boat Theriot Offshore I *Jan. 38
Supply ship Chevalier De Gramont launched *Oct. 82
Supply ship Halliburton 218 launched *Jan. 35
Supply ship Mil-Tide delivered *Sept. 80
Supply ship Sir Francis Drake launched *June 64
Support ship SSV designed June 66
Supply vessel built for Jackson Marine *Jan. 35
Support ship for Arctic—paper on *Mar. 62
Surface skimmers will continue to grow (E) Aug. 138
Survival craft for evacuating crews *June 66
Svea Corona delivered—ferryboat *Dec. 68
Svea Line of Stockholm:
Svea Corona delivered—ferryboat *Dec. 68
Svetlorsk undergoing sea trials—prototype *Sept. 61
Swan Hunter Group:
Alexander Glen built—bulk carrier May 72
Groznyy delivered—products carrier Aug. 50
Strait of Canso chartered—tanker Dec. 78
Swan Hunter Shipbuilders, Ltd.:
Windson Lion delivered—tanker July 50
Swan Hunter's Smith's Dock Facility:
Africa Star delivered—1st of 4 reefers *Dec. 46
Sweden:
Soviet exporting hydrofoils/cargoships *Sept. 61
Swiftships, Inc.:
C/Dominator delivered—crew/supply boat *Jan. 30
Mr. Snook/Mr. Creig—new crewboats *Apr. 82
"space-age" alloy used June 66H
Spiel—120-ft crewboat *Aug. 58
Switchboards for Navy—combat systems Nov. 136
Swtichboards/panels for Patrol Frigate Mar. 126
Swivel—large underwater Miller (N) *Sept. 94
Symposiums:
on marine trans. management (E) Apt. 168
pollution control measures for GL ships *Feb. 60
SNAME "STAR" (E) July 94
Synchronizer designed—automatic (N) *Oct. 100
Synthetic liquids *July 25
System development planning for multi-purpose Sea Island superport *Apr. 88
System Fuels, Inc.:
Margaret D delivered—towboat *Mar. 60D
System handles oil wastes on small ships (N) *July 64
System protects boilers from damage by oil (N) *Nov. 86
Szczecin Shipyard:
Bow Fortune launched—tanker *Dec. 50

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302/RT model safety helmet (N) *Mar. 92
3500 jobs open (E) July 94
T.F.E. Industries:
bearings—new self-lubricating Aug. 60F
TOVALOP (Tanker Owners' Voluntary Agreement Concerning Liability for Oil Pollution) *Apr. 55
Tacoma Boatbuilding Company, Inc.:
Jilor delivered—tuna seiner *YB 64F
Jilor to sail for Senegal—tuna seiner Apr. 92
Jofondor launched—tuna seiner Apr. 92
Niomre launched—tuna seiner Nov. 74
PSI-Liaaen c-p propellers ordered July 88
Taeping class of vessel—Italcantieri *Feb. 48
Taisho Maru delivered—tanker Aug. 50
Taiwan:
abrasive blast facility Aug. 124
Takezawa, Isoe:
outlook grim for Japanese yards (E) Oct. 168
"Tall ships" for the bicentennial (E) May 130
Tallahatchie delivered—towboat *Jan. 58B
Tanaka Engineering Corporation:
Tanakit—welding/cutting outfit (N) *May 86
Tanakit—welding/cutting outfit (N) *May 86
Tank landing ship Miura delivered Mar. 66
Tanker preference bill HR 8193 veto (E) Jan. 140
Tanker preferenced bill restored (E) Jan. 140
Tanker shipping:
a note of optimism in (E) Nov. 148
Tankers:
Adna launched Mar. 66
Afran Odyssey launched May 72
Al-Andalus delivered—VLCC *Dec. 44
Amoco Europa delivered Apr. 92
Andes Maru delivered Apr. 92
Andros Chryssi delivered Jan. 67
Arab—estimated carrying capacities of YB 250
Azarpad built May 72
Beaver State launched Dec. 78
Belfri delivered May 72
Bow Fagus/Bow Flower christened June 52
Bow Fortune launched *Dec. 50
Brooklyn delivered (E) Jan. 140
cargo sections for 3 to Amer. Bridge Jan. 118
Chelsea delivered—Coronado class Apr. 92
Chemist Lutetia delivered *Dec. 51
Chevron Colorado christened Dec. 78
Chevron Oregon—gas turbines power *Dec. 50
Chevron Washington launched Mar. 66
conditions that cause explosions on *Jan. 48
Conoco Europe christened Apr. 92
Coronado-class keel laid for one Jan. 67
Crisana delivered Jan. 67
demand for, well below supply *YB 91
8th of 10 delivered to Hansen-Tangens Dec. 78
80,298-dwt for Majestic Tanker Corp. Sept. 72
Elias—explosion of *Jan. 50
Esso Bilbao delivered June 52
Esso Geneva delivered Sept. 72
Esso Hafnia delivered *Dec. 54
Esso Kawasaki delivered Jan. 67
Esso Tampa delivered Nov. 74
Ethnic delivered June 52
5 contracts cancelled at Todd-San Pedro (E) *YB 7
Fort Kipp delivered July 50
400,000-tonner workhorse *Apr. 80
4th of 9 launched for J.P. Jensen Aug. 50
from Arendal yard for Finland *Dec. 69
GT-3 keel laid Apr. 92
gaging system on—Franklin *Jan. 48
Globtik London/Globtik Tokyo Feb. 64, *Dec. 61
Golden Endeavor—San Clemente-class Jan. 67
Golden Monarch delivered Aug. 50
Golden Monarch (San Clemente class) *Mar. 66
inert-gas systems for *Jan. 48
inert-gas systems may be mandatory on *Jan. 50
Ioannis Colocotronis—Europa class *Apr. 70; *Dec. 56
Japan's outlook grim for building (E) Oct. 168
keel laid for 1st of 5 for Sudoimport Jan. 67
keel laid for 1st of 2 Gulf Oil Aug. 50
Khark delivered Nov. 74
Kirsten Maersk—nozzle prop in *Dec. 58
Kollbris delivered—14th of 20 *Dec. 59
Kollskegg delivered *Dec. 59
Limatula delivered Jan. 67
Linga launched Mar. 66
Lissa delivered Apr. 92
Lucellum/Lucerna christened/launched July 50
Mantinia delivered Nov. 74
Marietta delivered—1st of 2 Mar. 66
Massachusetts delivered-VLCC *Dec. 60
Massachusetts floated out of basin *Feb. 64
Massachusetts—largest built in U.S. *June 27
Mercury delivered *Dec. 59
Mormacstar launched July 50
Mycene launched June 52
Nafcratis launched June 52
Neat 50, Neat 90 and Neat 170 *Apr. 62
Newbuilding 1217 launched Feb. 64
Nissei Maru delivered—world's biggest Feb. 64, *Dec. 61
Nissei Maru launched Feb. 64
Nordic Commander bow section launched Nov. 74
Oceania delivered *Dec. 62
1 launched for Norwegian owners May 72
Petroship B launched Jan. 67
refute claim hundreds smashed in storms (E) Dec. 164
Rio Horizonte delivered Mar. 66
Rose City keel laid June 52
San Clemente-class—NASSCO 3 more Aug. 50
Sanko Stresa delivered June 52
Sea Saint delivered in Europe *Feb. 29, *Dec. 65
Seatrain suspends construction (E) Jan. 140
Shuho Maru delivered Oct. 84
Southern Lion delivered—tanker June 52
Soviet building large-tonnage *Sept. 62
Sparrows to deliver last of 5 in '77 (E) Jan. 132
Strait of Canso chartered Dec. 78
Taisho Maru delivered Aug. 50
3 for First National Boston Corp. Feb. 64
Tokuyama Maru delivered Apr. 92
2 cancelled by Hagb Waage *Nov. 31
2 for Atlantic Richfield—Catalina class *Mar. 66
two for Gulf Oil Corp. *Feb. 64
2 ice-strengthened for Gulf oil Nov. 74
two more for Atlantic Richfield *Mar. 66
Universe Guardian christened May 72
Wako Maru delivered Apr. 92
Wangli launched—motor May 72
Wisa delivered *Dec. 69
Williamsburgh delivered (E) Jan. 140
Windson Lion delivered—tanker July 50
World Ambassador delivered July 50
World Bermuda delivered Apr. 92
World Eminence delivered Dec. 78
World Mandate delivered Aug. 50
World Nisseki delivered Feb. 64
Worth launched—San Clemente-class Sept. 72
Zapata Rover launched Dec. 78
Tano Corporation:
control systems—centralized Sept. 166
Tarep—coal tar epoxy coating (N) Apr. 116
Techdiver—two man submersible *Apr. 40
Technigas design insulation panels *Sept. 56
Tek Tran Perfectionist TM/LSC TM power supplies *Mar. 36
Telelist heeling control system (N) *Dec. 90
Tender for Texas Gulf—50-ft July 46H
Tender Trigger—offshore supply ship *Jan. 38
Tender Trumpet delivered—supply ship *Jan. 38
10th Jan. Global Mar. Enterprise, S.A.:
Nicholas G. Papalios built *Dec. 61
Terminal built at Kwai Chung—5th container *July 37
Terminal—rail-to-barge coal transfer Apr. 84T
Terminal systems—2 mooring Sept. 166
Terminal to be anchored off Mexico—SPM *Sept. 80B
Terminals—development of container *July 37
Terminals—200 shipboard satellite Jan. 118
Terry, M.C.:
the use of concrete for offshore LNG barge *Nov. 66
Testing basins/cavitation tunnels *Sept. 61
Testing feasibility of 100-knot Navy *Aug. 47

Texaco Fire Chief—tug:
Gallant Ship Award (E) June 102
Texaco, Inc.:
Adriatic Seahorse in service for *Jan. 30
Texas A&M University:
Gyre/Moana Wave—research ships *Jan. 34
Texas Gulf:
50-ft tander for July 46H
The Economist—tanker orders prediction (E) *YB 7
The Floating Hospital—900-passenger *Jan. 39
The future is now—a review of General Electric mar. heavy-duty gas turbine progress *Apr. 158
The Ship Research Institute of Norway:
no corrosion expected from SO2 *Jan. 50
The use of concrete for offshore LNG barge *Nov. 66
The yr the bottom dropped out for tankers *YB 91
3. Maj, Rijeka, Yugoslavia:
keel laid for 1st of 5 tankers Jan. 67
Petroship A. delivered—carrier Apr. 92
Petroship B launched—tanker Jan. 67
Three-caisson principle drill rig design *Sept. 49
Three important trends emerge in bulk cargo handling (E) Sept. 180
Thyssen International, Inc.:
oceanographic survey system ordered May 117
Tidewater Balboa, Inc.:
Gold Tide delivered—crewboat *Oct. 80
Tidewater Marine Service, Inc.:
Mawddy Tide launched—supply vessel *Mar. 60D
Mil-Tide delivered—supply ship *Sept. 80
PSI-Liaaen c-p propellers for 2 vessels July 88
25 offshore service vessels acquired Feb. 54B
Tidewater to use new crewboat offshore *Oct. 80
Tiger Saline Disolvent MT6 (N) Sept. 94
Timely paper on new oil pollution rules Feb. 56
TIS Shipping Company, Ltd.:
Rio Horizonte delivered—tanker Mar. 66
Nissei Maru launched—tanker Feb. 64, *Dec. 61
Title X1 mortgage insurance:
pending applications for YB 14
Todd-Houston Yard:
shallow draft ferry Delaware built *Jan. 32
Todd-San Pedro Yard:
two tanker contracts cancelled (E) *YB 7
Zapata Patriot launched—products carrier Feb. 64
Zapata Ranger launched—products carrier June 52
Zapata Rover launched—tanker Dec. 78
Todd-Seattle Yard:
Theriot Offshore I—supply boat *Jan. 38
Todd Shipyards Corporation:
CM-100 cutting machines at 3 yards *Mar. 41
OSHA study—5% added to billing rate *Mar. 27
Toilet—new model industrial (N) *Nov. 100
Tokuyama Maru delivered—tanker Apr. 92
Tokyo Tanker Company, Ltd.:
Nissei Maru launched—tanker Feb. 64, *Dec. 61
Tor Britannia—cruise liner *Dec. 68
Tor Line:
Tor Britannia—cruise liner *Dec. 68
Tor Line:
Tor Britannia—cruise liner *Dec. 68
Torch—metal-cutting (N) Nov. 100
Torches—linde's plasma arc cutting *Mar. 40
Tork-Pak—air-powered torque tool (N) Nov. 90
Torque tool—air-powered (N) Nov. 90
Totalizers/converters—high accuracy (N) Apr. 116
TOTE (Totem Ocean Trailer Express):
owners of *Nov. 49
Totem Ocean Trailer Express (TOTE):
Great Land launched—trailership July 50
Great Land now in Seattle-Alaska trade *Dec. 55
Great Land—world's largest RO/RO ship *Nov. 49
Tougher drive shafts redeuce downtime June 66D
Towboat for ACBL by Jeffboat, Inc. *Jan. 31
Towboats:
Argonaut—Viking-class *July 42
D. Ray Miller delivered *Jan. 31
for ACBL by Jeffboat, Inc. *Jan. 31
Gloria G. delivered *Jan. 33
Harry M. Mack launched *May 62D
Henry B delivered *Oct. 76
J.B. Kleinpeter christened YB 64P
Jason delivered—Super Viking *Jan. 35
John D. Geary in service *Apr. 84L
Lady Roberta delivered *Oct. 82L
Lindholm christened *Sept. 80P
Little Rock delivered by SteelShip *Jan. 36
Margaret D delivered *Mar. 60D
Margaret O. christened *Apr. 84N
new class—low operating costs *May 60
Okaloosa delivered *May 62D
R.F. Meek delivered *Sept. 78
Ray A. Eckstein—towboat *Jan. 39
Russ Mobley launched *Oct. 80
Rusty Flowers launched *Dec. 74B
Tallahatchie delivered—towboat *Jan. 58B
Vince Tranchita built *Jan. 39
will push 3 jumbo coal-carrying barges *Oct. 80
Towing/supply ship for Offshore Logistics *Jan. 36
Tracor, Inc.:
sonar systems for Navy's SSBN subs Nov. 136
Trade with USSR expanding YB12
Tradewind East—Fortune-type vessel Oct. 84
Trailerships:
Great Land launched July 50
Great Land—world's largest RO/RO *Nov. 49
Transfers foreign—ships:
1000 gt/over—1974 *YB 207
Transportation Institute:
objection to waiver application (E) Feb. 122
Transshipping alternatives for upriver mills *Feb. 60
Travaly, A.J.:
the future is now—a review of General Electric mar. heavy duty gas turbine progress *Apr. 158
Trawler/crab fishing boat Viking *May 62
Trawlers:
Pink Jasmine, Pink Lotus, Pink Rose, Copper Mariner and Pink Orchid *Feb. 52
Tripolina delivered *Mar. 60A
Treasury Department:
may object to waiver application (E) Feb. 122
Trials on ship/component models *Sept. 61
Trident Ocean Services, Inc.:
2 anchor handling/supply vessels for Feb. 54F
Tripolina is 1st of Rhode Island Marine's designs *Mar 60A
Triumph Shipping, S.A., Panama:
Tradewind East—Fortune-type vessel Oct. 84
Truck purchased by B&V—290-ton lifting Dec. 78
Tsuru Arrow delivered—bulk carrier *Dec. 69
Tucumcari—Jetfoil design outgrowth of (E) Aug. 138
Tuf-Loc marine bearings (N) Jan. 92
Tug/barge transportation system *Feb. 41
Tug/supply boat a first for Blount *Feb. 54
Tug/supply boat Acadian Defender *Jan. 28
Tug/supply boat State Royal *Feb. 54
Tug/supply vessel Venture Service *Mar. 56
Tugboats:
Bandit being built *May 62
Brigand—Australian yard launches the *May 62
Buccaneer launched *Jan. 58B
Donald O'Toole in service *Jan. 58P
E.N. Belcher, Jr., delivered—pusher *Jan. 33
Eliska Theriot—2nd of 9 for Theriot *July 42
Enterprise delivered to Gulf Overseas Nov. 62G
Marjorie B. McAllister delivered *Jan. 37
Martha Theriot delivered by Equitable *Feb. 54
Mary M. Coppedge delivered *YB 64B
McAllister plans two more *Jan 37
1 for Adelaide Steamship *May 62
Petchul-designed now operating *Oct. 82L
Piranha being built *May 62
Privateer launched *Jan. 58B
Seabulk Challenger delivered *Feb. 41
seven ordered by Theriot, Inc. *Feb. 54
two 95-ft ordered from Putnam Oct. 82L
2 ordered by Gulf Mississippi *Feb. 54
William W. Sprague delivered *Apr. 84
Tug-supply boat Sea Brute launched July 46F
Tug-supply boats Sea Bruse/Sea Bure July 46F
Tug/supply ship Constitution Service Oct. 82B
Tug/supply ships—4 more ordered Oct. 82B
Tuna seiners:
Jilor delivered *YB 64F
Jilor to sail for Senegal Apr. 92
Jofondor launched Apr. 92
Niomre launched Nov. 74
Tuna superseiner Grenadier launched Sept. 72
Tuna superseiner Hornet III launched July 50
Turbines:
new 2500-hp, single-stage by Coppus (N) July 72
steam—power Europa tankers—GE *Dec. 56
Turbodiesel—Inger 1st cargoship powered by *Oct. 66
Turnbull Scott & Company:
2 mini-bulkers ordered *Sept. 66; *Dec. 63
'Tween deck doubles no. cars on barge (N) *June 77
12 papers presented at 82nd SNAME meeting *Jan. 44
12 papers to be presented at annual SNAME Nov. 66
28-knot crew/supply boat delivered *Jan. 30
25 service vessels acquired by Tidewater Feb. 54B
Twin City Barge & Towing Company:
Donald O'Toole in service—tug *Jan. 58P
Lindholm—new towboat *Sept. 80P
Twin City Shipyard, Inc.:
Lindholm—new towboat *Sept. 80P
Twin-hull type drilling platform *Sept. 49
Twin-Sync model 25 synchronizer (N) *Oct. 100
255-ft-long deck barge placed in service Oct. 82F
Two-hulled supply vessels Feb. 54F
Two new routes launched (E) Apr. 168
Tw Two 72-mile Atlas radars (N) *Apr. 112
Tyne/Olympus powerplant Feb. 107
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ULCC's (ultra large crude carriers):
Ioannis Colocotronis—tanker *Apr. 70
Nissei Maru delivered *Dec. 61
Sea Saint—delivered in Europe *Feb. 29
USSR (see Soviet Union)
Uddevallavarvet, AB:
Adna launched—tanker Mar. 66
eighth tanker delivered to owners Dec. 78
fourth of nine tankers launched Aug. 50
Wangli launched—motor tanker May 72
Uhlein & Associates, J.W.
Grenadier—tuna superseiner Sept. 72
Ultra large crude carriers (see ULCC)
Ultrasonic thickness gage (N) *Apr. 114, Nov. 94
Undersea vehicles *Nov. 53
Underwater diving systems *Apr. 38
Underwater Maintenance Co., Ltd., U.K.:
scanning system—underwater (N) *Feb. 79
Underwater rescue vehicle for Sweden *Apr. 38
Underwater system for inspecting ships (N) Feb. 79
Underwriters also suffering (E) Oct. 168
Underwriters Laboratories&
Incinolet incinerating toilet (N) *Nov. 100
Union Mechling Corporation:(
Argonaut—Viking-class towboat *July 42
Jason delivered to—towboat *Jan. 35
Unique method to transport 600-ton load *Sept. 80J
Uniroyal, Inc.:
foaming interiors of old barges *June 46
Royalex buoy reduces hazards YB 64L
Unit designed to permit depth reporting (N) Aug. 72
United Arab Shipbuilding & Repairs Co.:
floating drydock launched for Oct. 84
United Kingdom:
fifth in world's league of tonnage May 130
United States:
flag bulk carriers on G.L. 12/31/74 YB 92
hydrofoils have not "caught on" in (E) Aug. 138
merchant ships launched in 1974 YB 79
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27 merchant ships delivered in 1974 May 130
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U.S. Army:
electronics system delivered to Jan. 118
U.S. and foreign ports *July 37; *YB 195
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USCG 'Polar Star' construction problems *Mar. 61
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United States—liner:
Sept., 1952, devoted entirely to (E) May 138
U.S. Maritime Industry:
money spent on studies of (E) Apr. 184
U.S. Merchant Marine Academy Alumni Assoc.:
yacht America acquired (E) May 130
U.S. Naval Academy:
3 independent wavemaker systems Feb. 107
wavemaking equipment for 3 tanks Mar. 127
U.S./Polish Entente:
1st joint venture to begin operations (E) Mar. 152
USS introduces metric (E) June 102
U.S. ship disposals *YB 207
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U.S. shipbuilding report *YB 75; July 58
Universe Guardian christened—tanker May 72
Universe Tankships, Inc.:
Universe Guardian christened—tanker May 72
University of Hawaii:
Gyre/Moana Wave—research ships *Jan. 34
University of Michigan:
and Kings Point meetings Oct. 163
Unmanned engine room on the Americana *Feb. 48, *Dec. 47
Upper Mississippi Towing Company:
Henry B. delivered to—towboat *Oct. 76
Used-oil analysis *July 27
User charge—DOT policy favors (E) Oct. 176
User charges on ships moving on rivers (E) Sept. 172
User charges—shock waves from (E) Nov. 148

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VADM Jerry Land Medal award to Bentley *Jan. 44
VHF/FM radiotelephone (N) *Sept. 102
VHF-FM radiotelephone—RF-448 (N) *June 76
V.O. Sudoimport:
Admiral Makarov delivered—icebreaker *Dec. 44
Gruziya delivered—auto./passenger ship Aug. 50
Pavel Rybin delivered—ship carrier Apr. 92
ships/equipment in demand *Sept. 63
Soviet exporting hydrofoils/cargoships *Sept. 61
Vadus, Joseph R.:
active manned submersibles in U.S., Canada and Europe Apr. 39
Valdez Terminal described at LA meeting *Feb. 56
Valve control systems/marine automation *Jan. 48
Valves:
Bicera explosion relief (N) Oct. 110
butterfly—from DeZURIK (N) *Feb. 84
deck seal/fail-safe non-return *Jan. 52
Fire-Cide shutoff (N) *Nov. 94
new—rotary shaft (N) *Oct. 98
shut-off developed (N) *Jan. 88
Van Camp Sea Food Company:
Elizabeth C.J. launched—superseiner *Mar. 58
van der Giessen-de Noord:
Fort Coulonge launched—clean products Dec. 78
van der Giessen-de Noord N.V.:
Fort Kipp delivered—tanker July 50
Vassilike Colocontronis—ULCC *Apr. 70; Nov. 74; *Dec. 56
Vastine, Robert, deputy assist. sec. of treasury:
CDS/ODS aid is for national security (E) July 102
Vehicle carrier Neva built Oct. 84
Venezolans De Cementos:
El Macho delivered—pushboat *May 62H
Vent-O-Matic Incinerator Corporation:
multipurpose shipboard incinerator Mar. 127
Venture Service—tug/supply vessel *Mar. 56
Venus delivered—car/passenger ferry Nov. 74
Verolme, Rotterdam:
Donnington launched/christened—b.c. Oct. 84
Maasbracht launched—VLCC Oct. 84
Versatile crane (N) *Apr. 113
Versatile tug operates in rough waters *Jan. 58P
Very large crude carriers (see VLCC's)
Vessels:
Adele Candies—third for Otto *Jan. 28
major 1000 gt/over in U.S. yards—88 YB 9
180-ft launched—supply *Mar. 60D
1000 gt/more world shipyards 4/1/75 YB 128
ordered abroad 4/1/74—4/1/75 YB 199
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25 offshore—acquired by Tidewater Feb. 54B
two anchor handling/supply for Trident Feb. 54F
types ordered postwar abroad by U.S. YB 202
Vibration meter—IRD Mechanalysis (N) *Sept. 104
Vice-Admiral E.L. Cochrane Award to Garzke, Johnson and Landsburg *Jan. 45
Viking-class towboat Argonaut *July 42
Viking-class towboat J.B. Kleinpeter YB 64P
Viking—trawler/crab fishing boat *May 62
Vince Tranchita—towboat *Jan. 39
Virissimo, Roland L.:
Hornet III launched—superseiner July 50
Voith-Schneider bow thrusters Feb. 54F
Volcy, G.C.:
reduction gear damages, etc. Jan. 64
Vol LI—Perry-built submersible *Apr. 42

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W.D. Thames (renamed Beaver Mackenzie) *Nov. 44
W. German yard delivers 264-ft ship *Sept. 80D
W&M Transportation:
Tallahatchie delivered—towboat *Jan. 58B
Waiver application—jones Act (E) Feb. 122
Waiver application opposed—Hood's (E) Feb. 122
Wako Maru delivered—tanker Apr. 92
Walker & Sons, Inc. F.B.:
Okaloosa delivered-towboat *May 62D
Wangli launched—motor tanker May 72
Wartsila-Turku:
Bellorussiya delivered—combo auto/cruise *Dec. 49
Wartsila Yard:
Bow Fagus/Bow Flower christened June 52
Gruziya delivered—auto./passenger ship Aug. 50
Newbuilding 1217—tanker Feb. 64
Neptune Emerald delivered Oct. 84
tanker launched for Norwegian owners May 72
Wartsila's Helsinki Yard:
Admiral Makarov delivered—icebreaker *Dec. 44
building series of icebreakers *Dec. 44
Washington Iron Works:
4 major crane commitments Sept. 166
shipyard crane for Navy Sept. 166
unloader for Reynolds Metals Sept. 166
Washington Public Power Supply:
4 powerhouse cranes ordered Sept. 166
Water bearings facilitate movement (N) Dec. 102
Water Development Foundation:
sound water management programs (E) June 110
Water is a valuable raw material (E) June 110
Water resources management—de-Federalized (E) June 110
Watercraft Ltd.:
survival craft for evacuating crews *June 66
Waterfront strike since WW11—no (E) June 110
Waterjet propulsion system for crewboat YB 64F
Waterjet propulsion system for Navy's SES Feb. 107
Waterman Steamship Corporation:
125 more LASH barges ordered May 72
Waterside facilities—$3.7 billion invested Mar. 60H
Waterway user charge (E) Oct. 176
Waterways Company:
Steermaster bow steering system YB 64D
Waterways plants total 131—new Oct. 82F
Wavemaker systems for Naval Academy Feb. 107
Wavemaking equipment for USNA Mar. 127
Weather satellite data *Nov. 56
Weather satellite imagery *Nov. 57
Webb Institute of Naval Architecture:
fuel-saving seminar (E) Mar. 152
Weld preheating standard in most yds *Mar. 48
Welder—constant-current (N) *July 64
Welder—Sidewinder automatic (N) *Aug. 68
Welder's Wonder—new pipe alignment (N) June 77
Weldgard asbestos cloth (N) Mar. 94
Welding/cutting outfit—Tanakit (N) *May 86
Welding developments topic at New York *Apr. 90
Welding ground rules—new *Mar. 37
Welding—linear slope control *Mar. 36
Welding machine—vertical butt Mar. 145
Welding method slashes costs—new *Mar. 32
Welding projects—one-side Mar. 140
Welding—recent developments in shipyd Mar. 139
Welding—some recent developments in shipyd Mar. 139
Welding technology Mar. 147
Welding Wholesale Company:
gooseneck hold-down dog (N) July 72
Welds—preheating gives better *Mar. 48
Welin Davit & Boat Div. of Lake Shore:
covered lifeboat on drill. rigs/boats (N) *Feb. 79
Weser/General Electric:
steam turbines power Europa tankers *Dec. 56
Weser Shipyard, A.G.:
Ioannis Colocotronis delivered—tanker *Apr. 70, *Dec. 56
Ioannis Colocotronis—tanker *Apr. 70
6 freighters instead of 2nd Europa tanker *Nov. 31
Vassiliki Colocotronis sea trials Nov. 74
Wesmar:
SS140S scanning sonar system (N) *Apr. 108
West German orderbook—ship types *Nov. 32
West German shipbuilding:
diversity key to riding out the storm *Nov. 29
West Germany:
Europe's most diverse shipbuilder *Nov. 29
floating drydock launched Oct. 84
investment in new facilities *Nov. 35
largest shipbuilder—Howaldtswerke *Nov. 30
70 shipyards in *Nov. 34
some yards avoided VLCC's *Nov. 29
West India Shipping Company, Inc.:
Inagua Surf launched *Nov. 62B
West Virginia Department of Highways:
water piers—Dravo to build 3 Nov. 136
Western Seas Shipping Company:
Pacduchess delivered—bulk carrier Nov. 74
Westfal/Larsen & Co A/S:
Bow Fortune launched—tanker *Dec. 50
Westinghouse Electric Corporation:
Life Guard—constant-current welder (N) *July 64
steam turbines/reduction gears contract May 117
Westminster Dredging Company, Ltd.:
converted dredger Beaver Mackenzie *Nov. 44
W.D. Thames (renamed Beaver Mackenzie) *Nov. 44
What makes a submersible perform affectively and safely *Apr. 48
What's happening with marine environmental regulations *Apr. 88
Wheel houses for Zim Line—new (E) Aug. 130
Whiteprinters cut paper costs—new (N) *Apr. 108
Whittaker Corporation:
Expandi-oil boom developed (N) Jan. 94
Wight, A.:
converted dredger will operate in hostile environment *Nov. 44
Wijnne & Barends:
Inger delivered to—cargoship *Oct. 66
Wilhelmsen Offshore Services:
Tender Trigger—offshore supply ship *Jan. 38
Tender Trumpet delivered—supply ship *Jan. 38
Wilkinson, T.T.:
Neat: New, efficient American tanker *Apr. 61
William W. Sprague delivered—tug *Apr. 84
Williams, Walter F.:
U.S. yards do need orders (E) Jan. 132
Williamsburgh delivered—tanker (E) Jan. 140
Wilmot Fleming Engineering Company:
portable boring bar (N) *Mar. 84
Wilson Walton International Ltd.:
Keene condensate sentry system (N) *Nov. 86
Winches:
deepwater trawling for Marine Construction July 88
Popeye—Ingersoll-Rand's (N) *Dec. 90
Windson Lion delivered—tanker July 50
Wire screens resist salt corrosion (N) *July 66
Wisa delivered—tanker *Dec. 69
Wisconsin Barge Line:
Ray A. Eckstein built in 1974—towboat *Jan. 39

Vince Tranchita—towboat *Jan. 39
Wisteria Transports, Inc.:
World Ambassador delivered—tanker July 50
Woermann Sankuru delivered—bulk carrier May 72
Wolfe Equipment Co., John.:
65-ft twin-screw tug *Oct. 82L
Wood, J.N.:
Ansax rotating propulsor July 30
Woods Hole Oceanographic Institution:
Alvin—deep diving submersible *Apr. 37
Woods Hole ship design *Nov. 54
Workboat's design enables her, etc. YB 14P
World Ambassador delivered—tanker July 50
World Bermuda delivered—tanker Apr. 92
World Eminence delivered—tanker Dec. 78
World Mandata delivered Aug. 50
World merchant fleets YB 92
World Nizzeka delivered—tanker Feb. 64
World ports *YB 195
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World's biggest tanker delivered *Dec. 61
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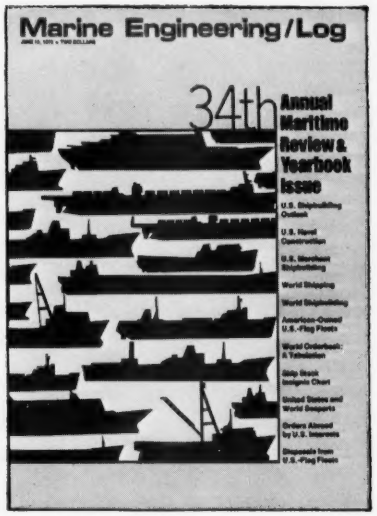

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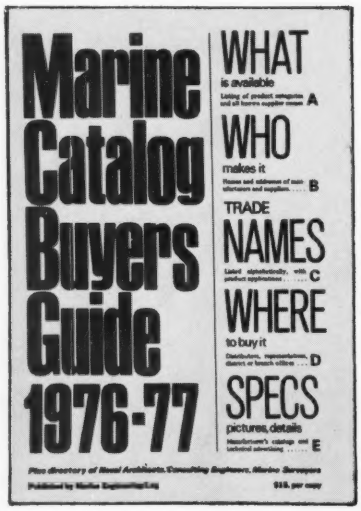

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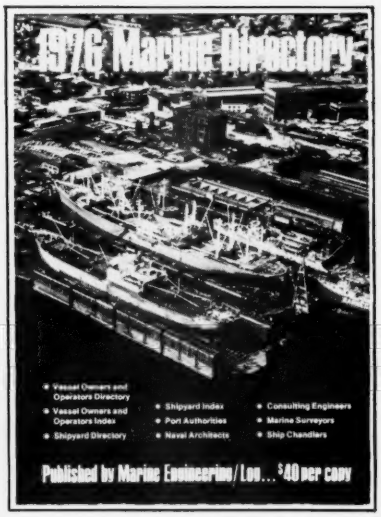

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